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# JOURNAL

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**Cover:** See if you can spot the new knobless Kachina 505DSP Transceiver. Hint: part of it is on the computer screen and part of it is on the far right-hand side of his desk. Harry Snyder W7HC, offers his expert opinion of the transceiver on page 40 of this issue. Harry is an expert with transceivers and especially with the Collins KWM-380, the last of the Collins equipment, and truly well into the future at the time of its production. He can be found on Sundays giving out information to the members of the Collins Collector's Association.

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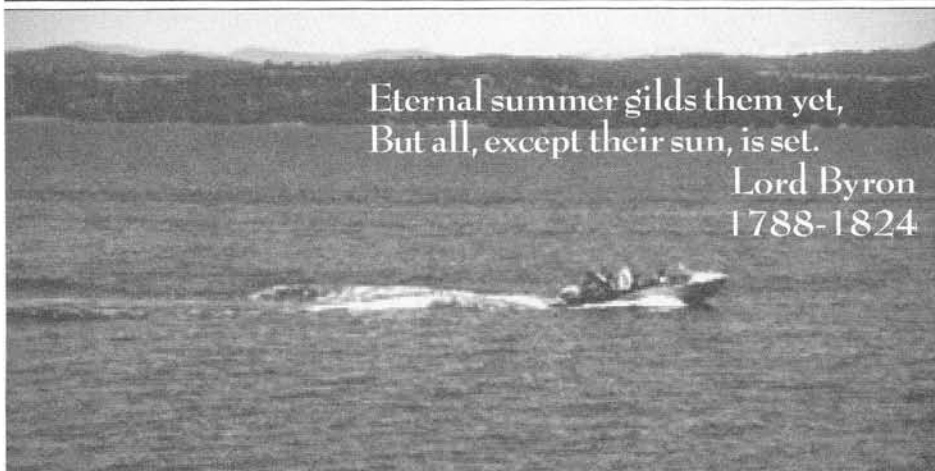
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### QCWA National Nets

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Eternal summer gilds them yet,  
But all, except their sun, is set.

Lord Byron  
1788-1824



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Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

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## The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax/BBS, 541-683-4181.

## From the President

John Kelleher, W4ZC



**T**his is my last message as President of QCWA. As one gets older, one's background and perception become outdated, whereas QCWA needs to "reinvent itself" to attract new members from those now becoming eligible for membership. President-elect Gary Harrison, KØBC has been managing a recruitment campaign for more than a year and is "tuned in" on the problems involved.

This past spring Gary attended a meeting of QCWA Citrus Chapter 45, talked at length with members concerning QCWA's future, and was given a paper on the subject written by Norman Gertz, K1AA. Matters discussed included QCWA's growth rate (or lack thereof), prompted in part by my message in the spring 1997 issue of the Journal. At that time we asked if QCWA's image needs a face lift, and how to improve QCWA's appeal to the upcoming generation of "eligibles".

Chapter 45 had conducted a related survey, which was discussed with Gary, and I received a summary of the survey results. Answers to the survey reiterated the obvious, that a serious lack of membership renewals exists. Their conclusion was that QCWA must make a more aggressive membership renewal effort by sending members one or more notices prior to membership renewal date, including therein material on why it is important to retain membership, and the benefits thereof.

I agree with Chapter 45's conclusion. The reasons for membership in QCWA are summarized in the "who, what, why, when and where" of QCWA written by President Emeritus Leland Smith, W5KL and quoted in my message in the spring 1998 issue of the Journal. A copy of this rationale should accompany every membership renewal reminder. And that text should be reviewed periodically to make sure that it is still current.

Chapter 45 goes on to say that QCWA is in a unique position of having thousands of currently licensed amateurs who become eligible for membership each year. QCWA needs to up-

grade its exposure to this community. No longer is the little block advertisement with the pipe-smoking old timer sufficient; QCWA needs to present an image which will elicit a response from the current crop of eligible radio amateurs. Our publicity should emphasize what QCWA stands for and how this benefits amateur radio today; should publicize our scholarship program (do you realize that QCWA scholarship candidates receive more scholarships than those funded by QCWA?); and should publicize our Chapter organization and activity, especially reduction (from ten to five) of the number of petitioners necessary to establish a new chapter.

Chapter 45 mentions the traditional mentor or "Elmer" activity that we were so fortunate to have in our maturing years. They suggest that QCWA might consider reviving such a program whereby old timers assist newcomers by direct contact, e-mail or regular mail.

I know that one response to these suggestions will be that they cost money. Conventional methods of advertising — advertisements and direct mailings — are more and more expensive, but there is one powerful and attractive alternative today, the QCWA Web site.

I hope that these suggestions will lead to constructive and progressive action to revitalize QCWA within its stated purposes . . . "To operate exclusively for charitable, educational and scientific purposes . . . and more specifically to promote interest in Amateur Radio Communications and the advancement of the electronic art, making use of the reservoir of knowledge and experience represented within the membership of QCWA for the benefit of all Radio Amateurs and the furtherance of the Public Welfare through Amateur Radio Communications; to provide a scholarship fund for worthy students who are radio amateurs". (Article 1, Section 2(b) of the QCWA Constitution).

It has been an honor and a privilege to serve as a member of the Board for the past twelve years, and as your President for two of those years.

73 Jack

## MEET HARRY MILLS, K4HU

Duke Knief, W2YTO

**O**casionaly in life, one meets an individual who leaves a lasting impression. Harry Mills is such a person. Even considering his age of 90 years, which is unique by itself, his biography is truly fascinating and he has graciously agreed to share some of himself with us. He writes:

"I was born in Beaver, PA on the Ohio River just west of Pittsburgh and in 1919 at the age of 12, joined the Boy Scouts. For Christmas that year, I received a Boy Scout Handbook, which contained the directions for a wireless station consisting of a buzzer, and detector made from Gem razor blades and a carbon dry cell.. I finally made a one-mile QSO in 1920 using the ignition coil from a Ford automobile.

By 1921, I had my first vacuum tube - a UV200 - and built a regenerative receiver which allowed reception on 200 meters. I later built a 200m CW rig using a UV201 tube and the Ford spark coil for a platesupply.

I had a friend whose family bought him a Grebe 5 receiver which he didn't know how to use so I became Chief Engineer of his station. We built a transmitter using (4) type 801 tubes and a MG for the plate supply. My first phone contact on this rig was made with a telephone mike in the receiver ground leg. With the regenerative full on, it must have put out a few hundred milliwatts at least. In 1923, I got my first ham license - 8BHX -by mail. I started college in 1924 after graduating from high school but it took me 14 years to finally get BS in Radio Engineering. By that time, I had operated a broadcast station, gone to sea as a radio operator, and was set up in the retail radio business. Along came WWII and after joining RCA as a field engineer, I was assigned to the Navy. After the war, I worked in the development of TV, FM, and the 45-rpm record and finally retired in 1972.

All these years, I have been active on the air using a variety of homemade and commercial equipment. I have had 10 calls in 9 states and Germany and I am busier than ever."

## ESTHER IRWIN GIVEN - (1911 - 1998)



Born 25 December 1911 in Beverly, New Jersey. Died March 13, 1998 at her home in Santa Rosa, Ca.

She attended schools in Philadelphia, PA until the family moved to Denver, Colorado in 1920 where she attended Lincoln Elementary, Byers Junior High and South Denver High School, graduating in June 1929. She worked 8 years for Mountain States Tel & Tel and 3 1/2 years as a legal secretary. With the coming of WW II she enlisted in the WAAC reporting for duty at the WAAC Training Center, Des Moines, Iowa in the fall of 1942. Following basic training she volunteered as one of the first 50 WAACS to receive training as radio operators. After 13 weeks at Midland Radio School in Kansas City, Missouri she graduated as a high speed radio operator and was in the first group (of 3 WAACs) to be assigned in this capacity. She held various assignments in The Military District of Washington (D.C.) including a stint at Army radio station WAR in the Pentagon. In late 1944 she was selected as a candidate to receive special radio operator training for maritime service aboard an Army Hospital Ship. She was assigned to the U.S.AH.S. "Chateau Thierry" as chief radio operator in the spring of 1945. Only 14 WACS ever served in this capacity.

She terminated her military duty in December 1945 and continued as a civilian radio officer on the same vessel as a Lieutenant in the Army Transport Service. She and the Chateau Thierry's two other former WAC radio operators hired as radio officers for that ship's complement were the only three civilian females ever employed by the U.S. Government as radio operators on a U.S. owned and operated vessel. This "temporary" job ended in July 1946 when male replacements became available. She received amateur radio license, W6BDE in November 1946 and settled in Montara, California in 1948. Her final employment, from which she retired in 1977, was a 4-H secretary for San Mateo County under the University of California Cooperative Extension Service. An active amateur radio operator over the years, she served for seven years (1983 - 1990) as a director of the Quarter Century Wireless Association. In this capacity she wrote a monthly column for World Radio News, an internationally circulated ham radio publication.





# Gen. Manager's Report

Jim Walsh, W7LVN

**A**nother Journal on the way and we are getting closer to having things on schedule as far as production, printing and mailing are concerned. Now if the Post Office Department will give us some better detail on their CD-ROM of all addresses in the US, mailing will get better. I want to thank all of you who have responded with your +4 on your zip address. Even though we have the +4 for your address, if we cannot get it to agree with the CD-ROM, then that piece of mail has to go at non-automated rates. When we first started to do all this, several years ago, we had to get at least 85% compliance and it has gone up to a now 100% for automated mailing. Originally we had about 2000 addresses which we could not code, and that amount is now down to approximately 300 in number. That is because you helped us. Thanks.

The big project, now, is the election. The design of the ballot has been completed and the final version has gone to the printer. A copy of the ballot listing of the candidates has gone to Herb Lacey, N4UE who wrote the program to help the tellers tally the ballots that arrive. Each time he revises the format to reflect the ballot listing of candidates and arranges them so that the screen looks just like the ballot. This makes it easier and more accurate for the people counting the ballots.

Now, for all of you good readers, PLEASE vote and mail the ballot. After all this work your voting would show some appreciation. I am sure the candidates would like a good show of the members. You have no idea of the difficulty in obtaining candidates, especially when they are going to spend some of their own money to serve your interests. Those of you who might complain about there not being a plethora of candidates to vote for, how about you running next time ?

Elsewhere in this issue of the Journal is a revised list of due dates for material in the Journal. With pretty short notice those dates had to be changed. The first one came to close to the next issue ( this one ) and so we got a mailing out to all the Chapters to advise a slight change in dates for this one. You now have adequate time to get some material in for the next Journal. Keep doing the good job you are doing.

Another notice is buried in these pages, and that pertains to the continuation of the proposed program for the Membership Directory. Early in July the 'sort' will be made on approximately one third of the call areas and a supplement will be produced, and that plan will continue each year. The approximate cost will be between \$4 and \$5 including the mailing. Be sure to let us know as soon as possible, with your name and call, so we can plan for the printing numbers. As soon as they are ready, and we know the exact cost, we will advise and you can send your check.

Jim Walsh, W7LVN

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CHAPTER # 41	CH #41 SILENT KEYS
QCWA BOARD	W1VPF
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CHAPTER # 32	K4FG
CHAPTER #77	ALL CH. 77 SK'S
CHAPTER #12	W4LJN
CHAPTER # 142	CH. 142 SILENT KEYS
A LEE EASTMAN	W6BDE
LELAND & HELEN SMITH	W6BDE
JAN HAYTER	W6BDE
JIM WALSH	W6BDE
CHAPTER # 64	K5LUG
GARY HARRISON	W1VPF & WA0GKZ
HARRY SNYDER	W0GFQ & Helen-65th Wedding Anniv.
QCWA BOARD	W6BDE
CHAPT 120 (QCWW)	W1FOF, W3FUS, W1VPF & W6BDE
CHAPTER # 146	
LEO MEYERSON	W6BDE
CHAPTER # 41	W5HT

## Directory Update

As planned and announced a year ago, about 1/3 of the call areas in the Directory will be updated in June. There will be a charge to cover the printing and mailing expenses. It is anticipated to be about \$4.00 to \$5.00.

In order to plan the printing order, it is necessary for you to indicate your desire to order a copy. Please send your call and name (with e-mail address if available) as soon as possible. Once the printing quantity and costs are determined, QCWA Headquarters will notify you of the directory cost - hopefully prior to July 15, 1998.

**QUARTER CENTURY WIRELESS ASSOCIATION, INC.,**  
**Results of Semi-Annual QSO Party (Part 1)**  
**March 14, 1998**

Prepared by Art Monsees, W4BK, and Don Bice, W4PCO

<u>Call</u>	<u>Rank</u>	<u>Letters</u>	<u>Name</u>	<u>Chapter</u> <u>State</u>	<u>QSO's</u>	<u>Mult.</u>	<u>Total</u> <u>Points</u>
1 W9VU			Ray	2	424	98	41,552
2 NE4N			Phil	89	293	109	31,937
3 W4WKQ			John	84	277	93	25,761
4 W7YP			Dave	140	273	90	24,570
5 N6CMF			Phil	130	264	87	22,968
6 K9CLO			Bill	AL (IN)	247	76	18,772
7 KC4SUS			Tom	12	198	94	18,612
8 W5KL			Leland	158	266	68	18,088
9 VE3CT/M			Croft	70	200	89	17,800
10 W4YE			Buddy	122	254	64	16,256
11 K7BZ			Stan	16	240	63	15,120
12 W7YS			Bill	40	210	64	13,440
13 W1WW			George	89	204	62	12,648
14 W2SD			Kenneth	65	154	73	11,242
15 W5CJZ			Barney	41	150	48	7,200
16 W6NKR			Marion	169	148	46	6,808
17 W6IFC			Lyman	99	138	47	6,486
18 WA2FVL			JJ	138	129	46	5,934
19 W9HR			Al	162	128	45	5,760
20 W0AP			John	25	106	47	4,982
21 W3FTK			Bill	17	138	36	4,968
22 W3ABC			Hugh	23	118	42	4,956
23 K1AA			Norman	45	142	34	4,828
24 K6BXD			Emil	AL (CA)	126	38	4,788
25 K3APM			Russell	20	96	45	4,320
26 W2IL			Al	45	75	53	3,975
27 WA9ENA			Dale	2	73	51	3,723
28 W3UHP			Ernie	6	87	41	3,567
29 W9ZEN			John	59	96	36	3,456
30 W3FYA			Douglas	AL (MD)	52	58	3,016
31 K4GEL			Edward	91	92	32	2,944
32 W2KTF			Charles	81	85	31	2,635
33 WA1PFC			John	112	88	28	2,635
34 K2IC			Earl	138	88	28	2,464
35 W1TFA			Stanley	23	69	32	2,208
36 DL1NP			Jurgen	106	62	29	1,798
37 W4KF			Ancel	120	49	33	1,617
38 W3MWY			George	20	60	26	1,560
39 K6CJ			Phil	191	64	22	1,408
40 W6NVN			George	16	50	23	1,150
41 W2HTX			Roy	16	50	22	1,100
42 K2WW			Charles	16	44	22	968
43 K2TVY			Frank	138	38	25	950
44 W4KOG			Bob	111	25	31	775
45 VE3MMQ			George	73	42	18	756
46 W4YOK			Tom	AL (TX)	42	18	756



## Results of Semi-Annual QSO Party (Part 2)

### March 14, 1998

Call		Chapter		Total		
Rank	Letters	Name	State	QSO's	Mult.	Points
47	WD9DJD	Paul	2	25	26	650
48	AB2N	Arnold	138	38	17	646
49	N9EAY	Donald	55	36	17	612
50	K8MFK	Frank	AL (MI)	23	25	575
51	W4AGI	Victor	55	38	16	560
52	K2VPW	Dave	138	20	24	480
53	W2OD	Bob	138	26	21	546
54	K7XE	John	160	23	20	460
55	K0RY	Harvey	110	26	17	442
56	K6SS	Len	130	21	21	441
57	KA5AGM	Harold	63	22	20	440
58	KJ9N	Alan	128	18	19	342
59	W4DGJ	George	126	34	10	340
60	VE3BF*	Bill	Canada	21	16	336
61	W2DTP	Al	138	18	17	306
62	K4ZT	Norman	AL (FL)	26	11	286
63	W4DWR	Earl	126	23	12	276
64	W1GJ	Norm	134	17	16	272
65	W9HOI	Charles	AL (WI)	15	18	270
66	DL0QCW	Albert	106	24	11	264
67	W1JTH	Ohilip	134	19	12	228
68	K1IGD	Chuck	112	14	15	210
69	W3DAD	Kevin	20	20	10	200
70	K8SGM	George	1	13	15	195
71	K4HBI	Michael	49	12	16	192
72	KA2ZNE	Robert	29	18	9	162
73	W0PEX	Al	123	11	13	143
74	NS3O	George	6	10	14	140
75	W4STX	Bill	32	16	8	128
76	KA3AVB*	Bob	PA	11	11	121
77	WB2EJT	Bernard	138	12	10	120
78	W7LVN	Jim	108	11	9	99
79	W7LQU	Red	160	12	8	96
80	WB9FBI	Lew	195-55	10	9	90
81	K7AA	Raymond	47	10	8	80
82	W4YCZ	Jack	119	10	8	80
83	W0ODD	Ed	AL (KS)	7	8	56
84	W3TZW	Roy	6	8	5	40
85	W3WM	Arthur	128	6	6	36
86	K4AVH	William	32	6	5	30
87	KI6KJ	Russell	169	5	5	25
88	W8ETI	Russ	1	4	4	16
89	VE2PIJ	Pierre	Canada	6	1	6
90	KE4YQR	Robert	96	2	1	2
91	WA9JMO	Lawrence	162	1	1	1

The "\*" indicates a non-member.



# RULES & REGS



by Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

*This column presents a summary of recent significant actions in the area of domestic and, as appropriate, international Rules and Regulations.*

**CORRECTION** In the Spring '98 R&R column the text of the item "Industry Canada poll on Certification and licensing" (page 10) bears no relation to the title. The missing portion reads as follows: "Meanwhile, Industry Canada contracted with a commercial research firm to obtain opinions from a small sample of 300 Canadian amateurs concerning ham radio licensing and certification (qualifications)."

The sample represents less than 1% of Canada's 45,000 licensed ham operators, only 20% of which belong to RAC. RAC does not believe that the poll could possibly be representative of their Amateur community and feels that the five questions asked in the poll are worded so as to obtain a certain answer. A transcript of the IC poll wording appeared in the January 1998 "Canadian Amateur". It was apparently conducted by telephone early in December 1997.

Sorry for the error - W4ZC)

## **US TO PARTICIPATE IN CEPT GUEST LICENSE ARRANGEMENT (Tnx ARRL Ltr 17/7 2-13-98)**

US amateurs soon will not need to apply for reciprocal licenses in order to operate during short visits to most European countries. While an official announcement still may be a few weeks away, it's been learned the US request to participate in the European guest license arrangement has been approved. Similarly, most European hams visiting the US no longer will have to submit FCC Form 610A.

## **FCC SEEKS TO STREAMLINE ITS RULES AND REGULATIONS.**

This lead article in the March 1st W5YI Report highlights several ongoing FCC actions pertinent to a biennial review of all of its regulations applicable to licensees to determine whether certain rules are no longer necessary. The Communications act requires such a review in every even-numbered year, with the objective of eliminating of modifying regulations that are overly burdensome or no longer serve the public interest.

## **WRC-97 REVISITED (Tnx Amateur Radio Newsline)**

"WRC-97, An Amateur Radio Perspective", by Larry Price, W4RA and Paul Rinaldo, W4RI (QST February '98) details the conference matters important to radio amateurs. It also explains why certain issues were or were not acted on by the worlds communications regulators. Price and

Rinaldo write from a first-hand perspective: Rinaldo was an actual member of the United States delegation while Price attended as Secretary of the International Amateur Radio Union. Their story is must reading for anyone truly interested in the future of Amateur Radio.

## **NEXT HAM WRC (Tnx Amateur Radio Newsline)**

There seems to be a bit of confusion as to when the World Radio Conference will next consider ham radio related issues. Most sources are saying 2002 but The Canadian Amateur newsletter says it will be in 2001. Other non-ham-radio sources are indicating a later date. They are saying not to look for any Amateur Radio related matters to be discussed by WRC until 2030 or 2035 at the earliest!

## **SUCCESSFUL ARRL PETITION TO NTIA (Tnx ARN 1070 2-13-98)**

The American Radio Relay League has gained National Telecommunications and Information Administration support for a new ham band at 160 to 190 kilohertz. The NTIA says it has no objections to United States radio amateurs being given access to this very low frequency band and will support its creation.

## **WISCONSIN ANTI MOBILE LAW DIES IN ASSEMBLY (TNX ARN #1070, 2-13-98)**

While AB 754 was primarily aimed at curbing automobile accidents due to inattentive cellular telephone users, unfortunately for hams, the wording of the measure encompassed all forms of mobile radio communications. Its backers are expected to try to pass it again in the next Assembly session. Meantime hams now have a chance to build a solid opposition to it or at least demand an exemption for licensed radio amateurs.

## **FCC PREPARES FOR WRC 2000**

The Federal Communications Commission hosted a World Radiocommunications Conference planning session on February 10th. Called WRC 2000, the purpose of this gathering was to establish very broad basic guidelines for U.S. participation in this upcoming frequency allocation assembly. This Washington, DC meeting was hosted by the FCC's International Bureau's Planning and Negotiations Division.

## **TOWER LAW SUCCESS: CHALK ONE UP FOR AMATEUR RADIO (Tnx ARRL Ltr 17/6 2-1-98)**

Hams in Mason County, Washington, won't be encumbered by a telecommunications ordinance that would have restricted the height of ham radio towers to 70 feet and imposed other regulations. Andrew Forsberg, WV7M, of Grapeview, reports that several hams in the largely rural Western Washington county (population approximately 30,000) cited federal preemption over local regulation of



Amateur Radio activities as well as the hobby's public service dimension to get the County Board of Commissioners to exclude ham radio from the new law last month.

**VIRGINIA ANTENNA VICTORY-MAYBE (from ARN 1075 3-20-98)**

Virginia will have the most Amateur Radio friendly antenna laws in the nation effective July 1. The measure directs that all areas of the state be covered under PRB-1-like preemption language that directs all communities to make reasonable accommodation for ham radio towers and antennas. Areas of Virginia with population densities greater than 120 persons per square mile based on the 1990 Census cannot regulate antenna structures to less than 75 feet. Areas under 120 persons per square mile cannot regulate antenna structures to less than 200 feet. And no area can regulate the number of support structures, meaning that hams can put up as many antennas as they want. (Ed: We assume that, apropos of footnote 6 of PRB-1, the legislation does NOT affect restrictive covenants in private agreements voluntarily entered into by a buyer or tenant).

**COMMUNICATIONS PRIVACY RULES**

Section 705 of the Communications Act of 1934 prohibited disclosing and/or using the contents of any message to anyone but the intended recipient. It was unlawful under this section to use traffic monitored for personal or business benefit. Amateur and CB transmissions, marine and aircraft communications, broadcasts to the public or calls from ships, aircraft, vehicles, or persons in distress were specifically exempted. Also exempted are Government, law enforcement, civil defense, business band, public safety (e.g., police and fire) IF these signals are "readily accessible to the general public".

Communications capabilities not foreseen in 1934 have led to changes in the Act. In particular, the Electronic Communications Privacy Act of 1966 and the Digital Telephony Act of 1994 make it a criminal offense to intercept, disclose or use private wire or radio based communications - including mobile, cellular, satellite, microwave, cordless phone calls or paging.

**Spectrum Protection bill introduced (ARRL Bulletin 22, 3-30-98)**

At the request of the ARRL, a bill has been introduced in Congress to ensure the availability of spectrum to Amateur Radio operators. The bill (HR 3572, the Amateur Radio Spectrum Protection Act of 1998), would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. The bill was introduced March 27 by Rep Michael Bilirakis of Florida, a Republican, with the cosponsorship of Rep Ron Klink of Pennsylvania, a Democrat.

30//73 Jack



## More About the QCWA Memorial Scholarship Program

Leland Smith, W5KL

Any radio amateur enrolled in college courses leading to a degree or planning to do so is eligible to apply for one of the cash scholarships offered by QCWA each year. Licensed amateurs of any class interested in the scholarships should complete applications and have them endorsed by a QCWA member before forwarding to the Foundation for Amateur Radio for processing. The Foundation, a non-profit organization that administers our scholarships without charge, announces all of the available cash scholarships it administers shortly after the first of each year.

Chapters and members are asked to publicize QCWA scholarships so that more worthy amateurs will be aware of their availability and apply for them. This is an ongoing program sponsored by QCWA and because of the generosity of chapters and members who contribute in memory of our Silent Keys, the Fund is increasing, making more earnings available for cash scholarships each year.

QCWA Scholarships are announced in the Winter issue of the QCWA Journal as well as in announcements by the Foundation for Amateur Radio in other amateur publications. When a QCWA member receives an inquiry about the program from a radio amateur or wishes to sponsor one, the amateur should be advised to request an application directly from the Foundation for Amateur Radio, 6903 Rhode Island Avenue, College Park, MD 20740. Headquarters does not stock application forms as they can only be obtained from FAR by request from prospective applicants by letter or QSL card. Deadline for mailing completed applications is usually April 30 of each year and applicants should submit completed applications promptly. Successful applicants normally receive scholarship checks prior to the beginning of fall classes.

The Memorial Scholarship Fund Program is one of the finest things QCWA does for our hobby. We anticipate that memorial scholarships will be offered as long as there is a QCWA. This means earnings on the invested Fund should be available to financially assist worthy radio amateurs attending colleges and universities for as long as our hobby exists. Members and chapters wishing to honor amateurs who become Silent Keys should continue to send contributions directly to QCWA Headquarters in Eugene, OR.

Leland Smith, W5KL, Chairman  
QCWA Memorial Scholarship Fund Committee



# SYLver Belles



by Esther Given, W6BDE, 6740 Evergreen Ave., Sebastopol, CA 95472

W6CBA, Violet Barrett, greeted St. Valentine's Day 1998 with a smile. It was her 50th Hamiversary one half a century of fun! Vi's introduction to amateur radio was the result of a family reunion; her folks took her to a hamfest in Inglewood CA. While there her uncle, Ed Bostrom, W6HMMW, was getting back on the air following WW II's radio silence and his teen age niece got hooked. She bought her first receiver - a Hammerlund HQ129X at Henry Radio in West Los Angeles - and, became an instant SWL. Vi's parents were supportive of their daughter's new interest. In June 1947 family friend, Leo Sheppard, W6LS took them all to the Field Day site of the Metropolitan ARC of Los Angeles in the Baldwin Hills. That day Vi met Frank Cuevas, W6AOA who volunteered to teach her the necessary code and theory to obtain a license. Mom and Dad agreed and lessons started the next week.

During Xmas vacation 1947, Vi's mom took her down to the FCC Office in Los Angeles and a nervous high school senior became an instant YL. Six weeks later she received her valentine "W6CBA". With license in hand Vi added a Meisner Signal Shifter which ran 5 watts and a J38 straight key to her operating table; good old dad put up a 40 meter folded dipole antenna and Vi was off and running. The exciting hobby did not interfere with her academic excellence or graduation from Washington High School in Los Angeles.

Following graduation Vi applied for a job with the FBI entering the bureau in August 1948 as a clerk. Shortly the FBI discovered her radio background they offered her a promotion. She became the first female Radio Dispatcher in the FBI Los Angeles office. Now that paychecks became part of life Vi upgraded her rig to a Collins 32V1, and a 3 element plumber's delight beam but still received on her trusty HQ129X. She notes the 10 meter band was hotter than a \$2 pistol in 1948 and Vi's world awaited her.

Six years later on 24 April 1954, Vi married non-ham Don Barrett and they took up residence in Whittier CA. She retired from the FBI in November of that year and in the course of the next three years a son and daughter were born into the family. When the children reached school age Vi applied for a part time job which would fit within school hours and began work for the E. Whittier School District.

Twenty two years later she retired. She maintains she worked to support her hobby, not her hubby.

In 1974 Vi enrolled in a ham radio course at Rio Hondo College and upgraded to extra class. She became a certified teacher of Morse code at Rio Hondo College teaching there for 15 years along with Tom Polley, WA6GEV who gave the theory classes.

Also in 1974 after 20 years of marriage, putting up antennas and other ham related "honey dew" jobs, OM Don took the novice exam and was issued KA6DJK, soon he upgraded to advanced class.

In the late 80's Vi and Don decided to conduct amateur radio instruction together and taught classes for the cities of Commerce, La Habra, La Mirada and Whittier plus classes in local community centers and in their home.

Vi's participation in and devotion to amateur radio has been rewarding to many

recipients. She ran phone messages for Navy Mars as NOKIV, phone patches for the USS Sanctuary in the South China Sea, a year of phone patches for the commanding officer on Okinawa whose YF lived in Palos Verdes CA and another year of phone patches from KL7CAG, a missionary in Noorvik, Alaska to his church in La Mirada CA. Over the years she has given numerous talks to classrooms and invited many pupils to her shack for a first hand demonstration of on-the-air fun.

Vi's radio club affiliations sound like ham alphabet soup - ARRL, DX (Southern CA); LARA (Orange County); OOTC; QCWA; QCWW; YLRC (Los Angeles); YLRL and numerous others.

In retirement Vi & Don have added a new dimension to their lives. Traveling in a motor home fully equipped with ham and computer capabilities for phone, CW, packet and E mail, they are enjoying wheeling their way around the North American Continent while keeping in touch with the rest of the world by air.

de W6BDE



Vi Barrett, W6CBA



# Invention of the Loudspeaker

Submitted by Jack Troster W6ISQ, from  
Marconi Chapter 138 Newsletter

**Note: The Editor's Notes in the following article are those of the Marconi Newsletter Editor and not those of the QCWA Journal Editor.**

Editor's Note: *The following story was received from a friend who wishes to remain anonymous. The information came from a booklet "The Early History of the Magnavox Company" that was either commissioned by Magnavox or written by an employee of the company. Since it is not copied from this book but is simply the author's recollection of the facts presented in the book, I feel we have not violated any copyrights (if any still exist).*

The loudspeaker was invented in 1915 by two young men, Edwin Pridham and Peter Jensen. This happened in the small town of Napa, California at the mouth of the Napa Valley, now well known for its wines. Pridham and Jensen met around 1910 while working on Arc Transmitting stations in the San Francisco Bay area. They then decided to join forces and go it alone in pursuing advances in communications. They moved to Napa and rented a house for their laboratory (the house still exists in residential Napa).

With a financial angel by the name of O'Conner behind them, they experimented with Arc transmitters, detectors, and developed a new form of telephone. Nothing eventful resulted for the first four years of their partnership. They thought that their new Electro-Dynamic Telephone, which was louder and clearer than the Ma Bell phones of the time, was a significant improvement. They obtained a patent and concentrated on the phone. However, they became discouraged when AT&T wasn't interested due to its size and weight. Subsequently, from this new phone, almost by accident, the loudspeaker was developed.

Pridham and Jensen were demonstrating their Electro-Dynamic Telephone to a potential investor one day in their Napa Laboratory. The phone was definitely clearer and significantly louder than the Ma Bell phones of the day, and since the gentleman was hard of hearing, he was very interested. He asked if they could make it even louder.

The receiving voice coil of the phone was attached to a diaphragm in a small box and rubber tubing acoustically connected the box to the hand receiver. While the three stood there, Pridham casually took the hand receiver off the end of the tubing and held the tube to the small end of an Edison Phonograph horn that was standing nearby. Vi-

ola! The voice became very loud and the Loudspeaker was born. Both Pridham and Jensen were totally surprised and amazed at this and didn't, at first, understand what they had done. But they immediately focused their activity on this Loudspeaker device.

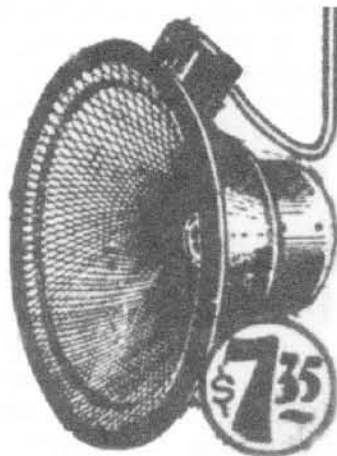
They patented the Loudspeaker in 1915 and wowed people with loud sound from a Public Address system for the first time in history. This led to their first orders for Loudspeakers. O'Conner, their financial backer, saw great potential in this invention and with the ready concurrence of Pridham and Jensen, he arranged a merger with the successful San Francisco distributor of Sonora phonographs owned by Frank Steers. Pridham, who had studied Latin in school, suggested that the merged company be named "Magnavox" which is Latin for "Great Voice" and it was incorporated in May or June of 1917. Frank Steers became its first President. O'Conner declined a position with the new company, being content to be on the Board of Directors and accept his reward from his share of Magnavox stock.

Jensen and Pridham declined management positions and were delighted to be able to go back to creative efforts in their joint Laboratory and avoid paperwork and the business details. They both did accept the title of Chief Engineer but never did get involved in management or the business end. They resumed experi-

menting with loudspeaker improvements and other possible inventions. Jensen and Pridham did invent the successful noise canceling microphone around 1917 for use in military aircraft.

Apparently Steers was a good manager and Magnavox experienced 10 years of growth and prosperity under him. He was also very enlightened for the times and fully supported Jensen and Pridham in the research laboratory. Jensen and Pridham were very compatible, were fond of each other, had similar interests, and their families socialized together for years both in the lean years and on into the successful times. Apparently this compatibility and friendship never waned and existed on into old age. Both Pridham and Jensen died a few years apart as reasonably old men. I vaguely recall it was in the late 50's or early 60's.

*By the way, I suspect that this is the same Peter Jensen who had his name on a line of loudspeakers just before or after WWIL. Does anyone have more information on this? - Editor*



*Antique Loudspeaker Ad  
from Ger's Archives*



Chip Margelli, K7JA, DX Editor • 6652 Cerulean Ave. • Garden Grove, CA 92645

## Summertime DX in the Northern Hemisphere

### I love summertime DX.

I think it's a holdover from my schoolboy days. Summer days were fancy-free, and summer evenings brought loud European signals into my receiver in Tacoma, Washington. No school meant no homework, and no homework meant I could spend all my time looking for new countries. Somewhere along the way, girls came along. But we won't go there. Instead, let's go on a summertime tour of our more popular bands, to remind ourselves of the fun that's to be found.

### 20 Meters

With the propagation paths over the North Pole being in (low angle) sunlight, 20 meters really comes through with lots of entertaining DX!

Once the D-layer absorption goes away in the evening in the eastern part of North America, the northern polar path comes alive with juicy stations from Mongolia, China, and other central Asian countries (you know, all those countries whose prefixes you used to know when there was something called the USSR). A few hours later, after the sun sets on the west coast, the Europeans and western Asians come banging in for hours and hours. Bearing that distinctive aural-zone flutter, they are as characteristic of summer as is the appearance of Orion in the winter evening sky. And the late-night paths on 20 meters into the Pacific are legendary.

Early morning brings in south and east Asia. India, Malaysia, Hong Kong, Singapore, and Thailand become commonplace as the signals follow the morning terminator to the northwest. Work? Who wants to go to work? Retired? Who wants to do chores? It's time for DX!!

### 15 Meters

The fifteen meter band can provide some very pleasant surprises during the summer. Of course, absorption is lower in 15 compared to 20 or 30 meters. And 15 tends to be a bit less noisy. So when there is enough sunspot activity to support propagation on 15, the signal-to-noise ratios produced on this band can be really outstanding.

The early-evening paths to Europe can open up even from the west coast of North America. It seems like this path, from out my direction, favors European Russia. If you're on the east coast, you'll work stations a few time zones further east in Russia. And in the morning, expect big signals from Japan and the western Pacific regions.

But there are other paths which occur on 15 meters which are really fun, and the exact mechanism somewhat

unclear. For example at about 0700 UTC (midnight on the west coast of North America) there is a rather common propagation path between W6/7 and VE7 into Japan. For an hour or more, JA signals will roar in at over S9, then disappear with no lingering propagation to other areas. The opening seldom expands even to Korea, much less China or Hong Kong. The direction of the path, roughly paralleling the terminator, suggests an F2 propagation mode; because of its narrow scope, however, one might think in terms of it being a sporadic-E path.

Does this path manifest itself between Europe and North America? You bet! At about midnight in western Europe, lots of DXers are enjoying 15-meter contacts to eastern North America. But how high in frequency does this opening go?

### 10 Meters!

The 28-MHz band is well known for its E-layer propagation in the summertime. Short-skip contacts across Europe and North America bring big signals to close-in areas we can't work in the spring and autumn DX seasons. Sometimes, these openings go higher.

I have frequently observed the 0700 UTC opening between the U.S. west coast and Japan on 10 meters. Signals tend to be weaker, but that may be an illusion in view of the lower power limit on 28 MHz in Japan (in previous years). In fact, one Field Day I warned our 6-meter operators at W7FR to be on the lookout for odd openings around midnight. The next morning, I asked them how the band was, to which they replied, "Aw, we couldn't work anybody. There were just a bunch of guys on there talking in Japanese!" Aarrggghhh!

This should provide a clue that even the 50 MHz band should be watched for odd propagation. The rule of thumb is: beam northeast in the mid-afternoon, and beam northwest around midnight."

The fact that this propagation exists on 50 MHz, even during the periods of low sunspots, leads me to conclude that these nighttime openings which exist between 21 MHz and 50 MHz must surely be via E-layer refraction. During years of high sunspot activity, there may be F-layer propagation at the same time, but I am convinced that at least one hop is via the E layer. Whatever the path, stay up late and work DX.

### What About the Southern Hemisphere?

Why is it that the North American DXers get on 80 meters in the winter, trying to work South Africa, and then ignore the Southern hemisphere on 80 during North American summer?

Summertime low-band DX to the Southern Hemisphere can be very rewarding. It takes some special patience, though, because summer thunderstorms create horrendous noise. But isn't summer the time for building that Beverage listening antenna you've always wanted to try?

You need to watch the position of the terminator as it sweeps across land masses in the Southern Hemisphere. When you (Northern Hemisphere) are in the terminator and the DX station (Southern Hemisphere) is in the terminator, there is an excellent chance that the DX station is able to hear you, because winter is the DX station's low-noise time of the year. The problem is finding a way for you to hear the DX. Switch in the Beverage, crank in the DSP Noise Reduction in your fancy new HF radio, and call "CQ" in the DX "windows" on 75 SSB or 80 CW. You may be utterly shocked at the amount of DX you work, and you'll certainly warm up the evening or morning for a fellow DXer to the south.

Enjoy!

### Congratulations: FOØFI/FOØFR Iron-Man DX-pedition!

Did you work FOØFI and/or FOØFR in April? If not, you weren't on the air! Bob Ferrero, W6RJ/FOØFI and Robert Ferrero, Jr., W6KR/FOØFR, activated the Austral and Marquesas Islands in marathon fashion, working on the order of 50,000 QSOs from the two stops, which they hope will count as new DXCC "entities" under the April 1st revisions to the Countries List.

Bob and Rob seemed to be on the air 25 hours a day, even though they were subsisting on a diet of bananas and bottled water. Maybe it was all that potassium in the bananas that gave them their endurance!

Whatever their secret weapon, these two fine operators went "the extra mile" to stay in the chair for long hours, carefully watching for unusual propagation paths as they went, and their dedication gets my vote for "Iron-Man DX-pedition of the Year" with an "Honorable Mention" going to Kan, JA1BK/FOØMIZ who made thousands of other DXers happy from the same two islands. Kan was "The Peanut Whistle's Pal" for being easier to work (because of the huge pile-ups on FOØFI and FOØFR).

Have fun with all your summer (or winter!) DX!

73 for now. . .

Chip Margelli, K7JA



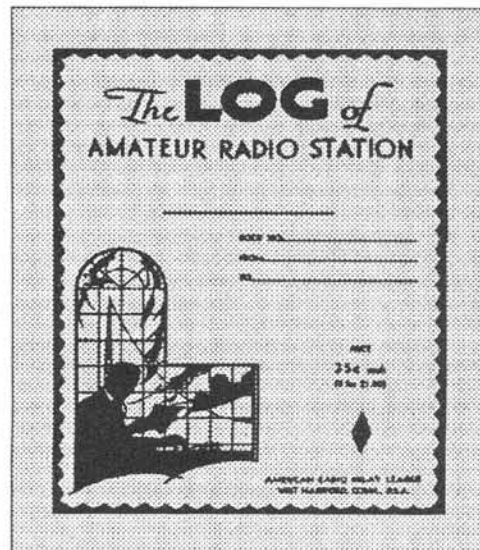
**Good Intentions go awry**

We ginned up a nice ad encouraging you to send your "nice stamps" to the Stamp Club of the Shriner's Hospital for Children. Apparently the notice worked but the Journal received a note from the Shriners that said in part, "...we are sending this memo to inform you that the Stamp Club has dissolved, and we are no longer accepting donations of stamps..."

Well, what can I say? We tried. //Ger

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Our thanks to Tracy Reese, WB6TMY, who fell in love with this era of amateur radio and conceived and furnished the art work.

In cooperation with ARRL, the Quarter Century Wireless Assn., Inc, presents this special edition.



# Amateur Radio Satellite News



by Keith Pugh, W5IU, Vice President, Operations, AMSAT-NA,  
3525 Winifred Dr., Ft. Worth, TX 76133

## Balloons, Satellites in Education, and Phase 3D Update

### INTRODUCTION -

First, I must apologize for missing the last issue of the QCWA Journal with this column. My only excuses are a short memory and a very busy schedule. To make amends, this issue will address a variety of space related topics starting with a trip to the "edge of space" via high altitude balloon. Next, a new approach to using Amateur Radio Satellites in education at the Riverside Applied Learning Center will be outlined. Finally, the latest news about the Phase 3D project, including a report of a trip to the Phase 3D Lab by this author, will be presented.

### North Texas Balloon Project - Mission #9 -

Once again I have been impressed by a balloon trip to the "edge of space" as an amateur radio club project. On 4 April 1998, the Lockheed Martin Amateur Radio Club of Fort Worth, TX, launched the ninth in their series of high altitude balloon missions from the Cleburne, TX, Municipal Airport. Route of travel was Easterly for about 95 miles to a landing North of Athens, TX. Burst altitude for the Balloon, as deduced from other indications, was probably around 90,000 feet, although the peak altitude indicated by the on-board GPS Receiver was only 65,000 feet. Payloads on the flight included: (1) cross-band UHF to VHF repeater, (2) GPS Receiver with an Automatic Packet Reporting System (APRS) downlink, (3) Color TV Camera with a 1255 MHz ATV downlink, and (4) an 8 mm TV Cam-corder. The mission lasted approximately two hours and the recovery crew had their hands on the package approximately ten minutes after touchdown. Video from both sources was spectacular and communications through the cross-band repeater covered Texas, Oklahoma, Louisiana, and part of Kansas. Plots of the balloon track from the on-board GPS were ported to the Internet. The Flight is the glory, but what does a balloon launch mean as a club project? There is something for everyone!

**First, the obvious, someone has to define and build the payloads.** Actually the someone should be a team of technically inclined hams who like to build things, or at least integrate available radios, computers, TNCs, cameras, etc. into working packages within the weight, power, and RF compatibility constraints of the mission. This team should have a fairly strong leader to enforce the design discipline necessary to build the packages on schedule and to ensure that they are operable well ahead of the mission for practice runs, reliability checkout, and RF compatibility testing. On launch day,

this team has the responsibility to see that all packages are assembled correctly and are working at lift off.

**Second, a non-radio job.** A team must be assembled that is familiar with the mechanics of building and tying together all of the packages, parachutes, balloons, anti-spin devices, etc. in the proper sequence for lift off. Everything must be weighed so that the proper amount of gas can be loaded into the balloon to establish a good rate of climb. Techniques must be established for filling the balloon and moving it to the launch area. Launch limits must also be established and enforced for visibility, cloud cover, and ground wind velocity.

**Third, mission planning.** Starting well in advance of launch day, a mission planning lead must become familiar with local winds aloft, special use airspace, FAA rules governing balloons, local geography, and places that will allow assembly and launch of the balloon (usually a small airport). This person should also become familiar with a program called Balloon Track (or Ball Track) which predicts the landing location of the balloon given lift parameters, launch point, and wind profile data. Appropriate NOAA sources of wind profile data for your launch site must be located. Starting well in advance, practice Ball Track runs should be made on a regular basis to determine where the best launch site is for the season of the year and all of the geographical considerations. Over the years, the Lockheed Martin Radio Club has selected two launch sites; one for Winter/Spring and one for Summer/Fall launches. So far, none of the packages have been lost, dropped into hostile territory, or violated airspace rules.

**Fourth, a recovery team.** You can't have too many trained recovery people. Also, training and maintaining a good recovery team is an excuse for year-around Fox Hunts, looking for repeater interlopers, locating elusive noise sources, etc. A good recovery team will be familiar with weak signal DF'ing (with Yagis), Doppler DF'ing, APRS, map reading, and coordination of reports. All of these are skills that can be developed as a club project while providing a lot of entertainment and satisfaction.

**Fifth, HF/VHF/UHF coordination nets.** Nets should be established and operated before and during the mission. In particular, forty meters is a very good band to do coordination throughout the footprint. It generally will provide a means to find out just how big the footprint is, and also serves as a way of attracting more observers. VHF and UHF net operations are good for coordination within the area skipped over by forty meter propagation. Be sure to assign someone for each net and don't forget a liaison person with the launch crew to tactfully obtain the

launch status for relay to the nets.

**Last, publicity.** Get the word out! The whole operation is much more fun if there are many observers and participants. Pass the word to Radio Clubs, Schools, Packet Bulletin Boards, Internet Balloon Sites, HF Nets, Newsletters, Newspapers, etc. The more the merrier! Balloons are a "Blast" (pardon the pun) for the whole club and the entire Amateur Radio Fraternity.

### **Satellites in Education - The Riverside Applied Learning Center Space Fair**

Have you ever been "tracked down" by an enthusiastic school teacher and put on the spot for assistance with a worth while project aimed at introducing "special" Elementary School Kids to space? I have! Dr. Debbie Coonrod, had heard that Amateur Radio Operators could help her school kids talk to the Cosmonauts/Astronauts aboard the Russian MIR Space Station. With boundless enthusiasm, she followed a vehicle with Amateur Radio Call Plates to its destination and approached the driver. He was unable to help directly, but he provided her with a lead to Pappy, K5DSP. Pappy directed her to me, and the rest will soon be history. After a couple of coordination meetings, a plan has evolved. First, the Space Fair is planned for 24 April 1998. This was short notice since I first learned of the opportunity in mid March. School contacts with MIR can be arranged through the Educational Activities Department (EAD) of the ARRL so I immediately contacted Rosalie White, WA1STO, Manager of the ARRL EAD, and confirmed my suspicions. They are currently scheduling contacts for schools that applied in 1995! Rosalie was very nice about it and agreed to put us on the "listen only" list in the event something happens on 24 April.

After this setback, another plan came to mind. Why not talk to space related people through Amateur Radio Satellites? There are sixteen or seventeen active Amateur Radio Satellites that can be utilized on a daily basis. All we need to do is set up a satellite station at the school and arrange some contacts. My first thought was to arrange contacts with W0WR, the Amateur Radio Satellite Station in the Kansas Cosmosphere in Hutchinson, Kansas. I had visited this fantastic place over the Christmas Holidays as a guest of Cleyon Yowell, AD6P, the founder of the satellite station. Arrangements are under way, through Cleyon, to make this happen via the satellites with a forty meter backup. The second thought was utilization of AO-27 for live demos with an "Arrow Antenna" and a dual band HT. Stations from throughout the country can check in "live" and be plotted on a giant map. This can be accomplished before the 24th and during the Space Fair as well. The third idea involves the Digital

Satellites. The plan is to put out the word ahead of time and solicit greetings from all over the world via the digital "Birds." The greetings will be downloaded "live," on a giant screen, during the Space Fair. MIR will be utilized to demonstrate use of the MIR Personal Message System, and replay of the special APRS experiment that took place in March. MIR will also be used as a visual and audible space object in the evenings before the Space Fair.

As this is being written, arrangements for all of this activity and more are still being made. No guarantees, but I believe the Riverside Applied Learning Center Space Fair will be an Amateur Radio Satellites in Education success story. We plan to use every Amateur Radio Satellite that comes by during the 0830 to 1530 period of the Space Fair. Stay tuned for the results in the next issue!

### **Phase 3D Update -**

Remember the phrase: "Curiosity Killed the Cat." Well, I'm not dead yet, but curiosity got the best of me and I had to go to the Phase 3D Laboratory in mid February, 1998, to satisfy my own curiosity about the status of the Phase 3D Satellite. The trip was planned to include the Orlando HamCation Weekend so that I could take part in the Satellite Workshop jointly arranged by the ARRL and AMSAT on the Friday afternoon of that weekend and help in the AMSAT Booth during the rest of the hamfest. Approximately forty Amateurs attended the workshop and a good time was had by all.

Another goal for this visit was to host the Sunday afternoon, twenty meter, International AMSAT Net from the Phase 3D Laboratory instead of its usual location, Fort Worth, TX, and make a "live" status report from the lab. To support the net activity, it was necessary to erect a twenty meter antenna at the lab. Stan Wood, WA4NFY, AMSAT VP of Engineering, had a vertical antenna that we pressed into service on Thursday, but I had in mind a two element wire beam aimed at the center of the USA. Components to construct this beam were gathered at the hamfest and the beam was put in place on Sunday morning "just in time" for the net. Comparisons with the vertical "most gratifying," and the net went well.

Now for the primary purpose of the trip, Phase 3D Status. At the time of my arrival, all of the structural modifications to the satellite were complete. All of the modules had been in the satellite and initial integration was complete; however, a few of the modules had gone back "across the Pond" for re-work. Work in the lab centered on completion of the instrumentation wiring, construction and check-out of the Sun Sensor, and bringing documentation up to date. During my stay, I was able to help finish a calibration fixture for the Sun Sensor and assist in making some of the first calibration runs. My other "claim

to fame" was installation of temperature sensors numbered 49 through 64 in the satellite. After launch, I can now look at the telemetry and know where temperatures 49 through 64 are measured. These tasks, while not large, are typical of many small tasks that make up the staggering workload confronting the Phase 3D Integration Team.

Over the month and a half following my visit, representatives from all of the major builders arrived in Orlando for final installation and integration of all of the satellite payloads. The "Bird" is now virtually complete and awaiting completion of a few details before shipment to the Baltimore/Washington area for Environmental Testing. Upon completion of Environmental Testing, the "Bird" will be ready for launch.

As of this writing, we still do not have a firm launch vehicle or launch date. Negotiations are still underway with the European Space Agency for a ride. AMSAT Phase 3D Project Leadership is still optimistic about a launch on Ariane 503 later this year, but, I caution you, none of this is firm. With any good luck at all, we should have a firm ride announcement before the next issue. It is even conceivable that we might be in Kourou, French Guiana, for launch by next issue. Stay Tuned!

## SUMMARY

As you can tell, a lot is happening in the world of Amateur Radio Satellites, and more is on the way. Now is a good time to think about your contribution to the launch campaign. Be thinking about construction of your Phase 3D Groundstation and check out some of the new radios on the market. Remember, there are sixteen or seventeen satellites up there for you to use. Most of the gear you will be using on Phase 3D can be used now on the existing satellites. Join a balloon project, or help a school. Let's stay active and ready for the new "Bird."

Keith Pugh, W5IU  
AMSAT VP of Operations

## LAST OFFICIAL MORSE SOS

by Dick Newsome, WØHXL  
from London Times



An SOS message from a 13,000 ton vessel listing dangerously in the mid-Atlantic on December 31st 1997.

The ship which tapped out Morse code's final SOS was the Bahamas-registered MVP Oak, en route from Canada to Liverpool with 26 crew. It was 790 miles west of Ireland when its cargo of wood shifted in storm-force winds and it lost all engine power.

The signals were picked up by Stonehaven radio, near Aberdeen, England before being passed to the Falmouth coast guard at 10:05 AM, who initially thought it was a joke for posterity. Glenn Wood, a spokesman, said: "We haven't had a Morse distress message for years. It was almost too perfect. But we knew straight away someone was in distress as nobody ever sends an SOS signal as an exercise."

Although the initial communication was via the old-fashioned system, all subsequent contact has been by modern satellite communications (INMARSAT), which has taken over the role of saving sailors.

Yesterday's message from the Oak read: "SOS SOS. This is Oak. Position 53 [degrees] 16 N, 24 [degrees] 59 W. Stop engine. We need assistance."

An RAF Nimrod was circling last night as the captain notified coast guards that he was preparing to abandon ship, although no other ships were in the area to pick up the crew. He also found time to relay the message: "Happy New Year. Best Regards. Captain."

A coast guard spokesman said: "His good wishes are truly inspirational when you consider his ship is in severe danger in the middle of nowhere, with the nearest ship 500 miles away." The Oak is well outside of land-based RAF, Royal Navy, and coast guard rescue helicopters."

The move to scrap Morse originated in the 1980's when the International Maritime Organization decided to phase it out. SOS messages have been flying around the world since 1908 when British and German radio operators agreed on the message. It was not because Save Our Souls was an easy phrase to remember, but because S and O are the two most easily recognized letters in Morse code.

The final Morse code distress message was not quite as dramatic as the first SOS sent at sea 85 years ago, by the Titanic, in the early hours of April 15, 1912. John Phillips, the wireless operator, sent the message: SOS SOS. Come at once. We have struck berg. Position 41 [degrees] 46 N, 50 [degrees] 14 W. SOS" Its last message said: "Come as quickly as possible. Engine room filling to boilers."







## Editor's Corner

Here it is summer already and along with it, the Summer Issue of the QCWA Journal. Boy is it it ever hot! This issue is packed with some really interesting articles from which I conclude, there must be a hundred more articles out there lurking in the minds of the members.

It seems that most of the articles in this issue have something to do with ham radio but I will veer slightly off the subject. Let's discuss mental stimulants. Naaa, I won't get into the merits of Viagra. That's something different. Besides, I heard on the news last night that it makes your face turn blue and affects one's vision. I suppose there are tradeoffs for everything. I thought maybe the aspiring authors could try using that Ginkgo Biloba stuff that's supposed to improve memory and concentration, and supposedly enhances mental focus. You might even un-repress some of those repressed memories and pen a story that will take its place in the QCWA Journalistic Hall of Fame. Well, yeah I know there isn't one but maybe someday. All that blather I just spewed translates to, "The file for articles is getting alarmingly thin and I implore you to set your mike or key aside for a bit and put your story on paper."

By-the-way, I tried that Ginkgo Biloba stuff. I took a whole bottle of tablets and nothing seemed to happen. So

I bought a bottle of concentrated liquid that is supposed to be the best thing short of intravenous and the only thing I noticed was that I remembered how acute my memory was when I was 30 years old.

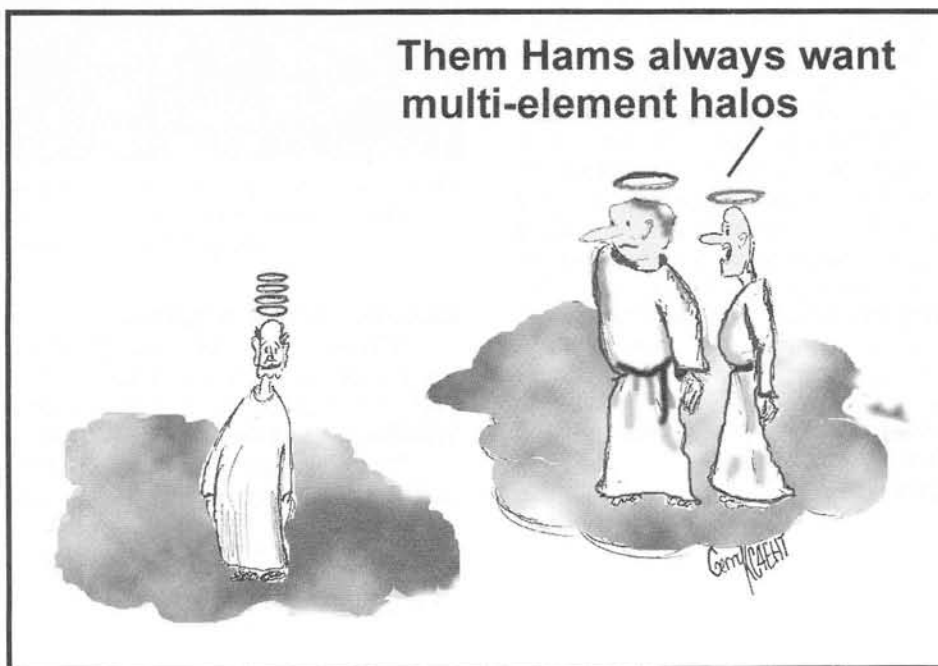
Frequently, an article stimulates other related articles. A good example was the "QSL" article by Timothy Bratton K5RA, in the Spring Issue that prompted Bill Hellman W2UD to resurrect an article in the June 1916 QST which may quite well be the origin of QSLing in amateur radio. Read the article on page 43 of this issue.

Harry Snyder W7HC, put together a nice article about the Kachina transceiver that is causing quite a stir in the amateur community. I also wish to extend my sincere thanks to the Kachina Corporation for their cooperation with the Editor in providing the photographs that appeared with the article.

I wish to express my sadness with the passing of Esther Given, who wrote the SYLver Belles column for the Journal. She was an Editor's delight. Her articles almost never required any work, were always on time or ahead of schedule, were well written and always fit the page perfectly.

In closing, I thank all those who have sent me letters and e-mail. I wish I could print them all. Since I receive a significant number of communications via the Internet, I wonder if I should include more articles of interest to the computer users or potential computer users? It's been rumored that my knowledge of the subject is better than the average bear. Let me know your thoughts on the matter.

See you when the leaves begin to FALL.



*Cor*



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 5, September 1, January 1, and April 1.

### Chapter 1, Cleveland

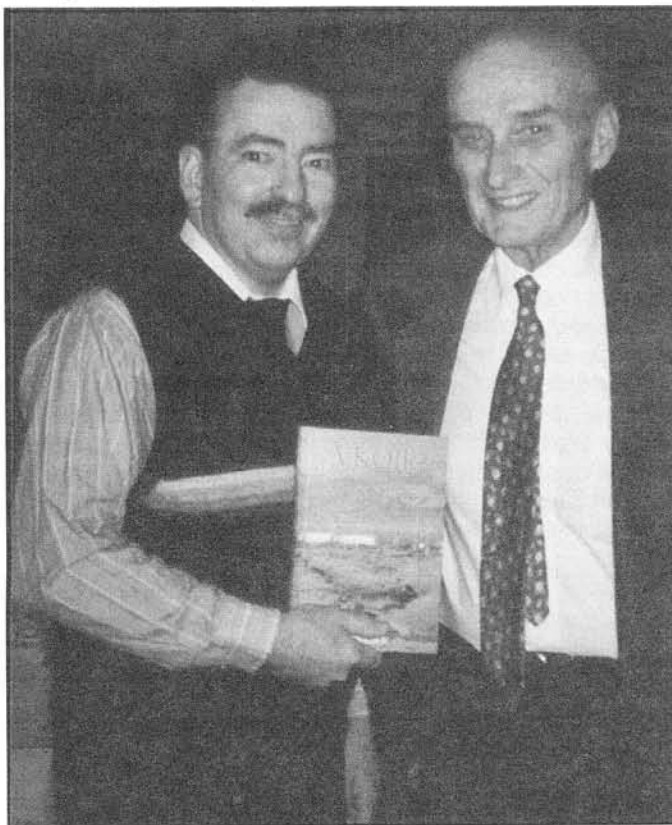
Since our last report, Chapter One has embarked upon what is likely our most ambitious project, the establishment of a club 2-meter repeater system. The frequency pair of 146.670/146.070 MHz has been secured, and equipment is being assembled. The prime movers in this project are Ray Wassum W8SLZ and Jack Goldfarb W8WGO. As preliminary discussion and groundwork progressed, John Mistic W8VRJ, Bernie Hinrichsen W2NTB and Jeff Covelli WA8SAJ have been added to the committee. With a combined effort, all necessary applications and forms have been submitted and approved. The repeater, when it takes the air, will carry the callsign of our own club memorial license, W8LYD.

The location of the transmitter and receiver will be at one of the higher elevations in the county and coverage is expected to be very broad. This will give our membership, and the ham community in general, access to a repeater that we hope will not only broaden the horizons of Cleveland Chapter One, but also create a greater interest in the QCWA and what we are about.

Our second quarterly meeting of the year was held at the usual location, Dimitri's Restaurant in Parma on April 18th. Our speaker, Chapter One member Earl Carter W4EU, presented a program he calls, "Communication on the High Seas". Earl was a communications officer aboard ship for many years, and it was a great program providing much interest to our group reliving many of Earl's memories and experiences. Our next meeting in July will be held at the 100th Bomb Group restaurant, located adjacent to Cleveland Hopkins Airport. The 100th Bomb Group is a re-creation of a World War II military base. The nostalgic atmosphere that pervades the structure, and the walls and ceilings covered with memorabilia, will bring back many memories to those who served during that period of our history. Joe Zelle W8FAZ, Chapter One newsletter editor and Journal reporter is still recovering from his serious illness and is not yet able to resume the duties of those positions. In the meantime, the Secretary is substituting in Joe's absence.

**Paul J Poling N8CKG**

### Chapter 2, Chicago Area



*Mike McGirr K9AJ (l), presenting a book on "VK0IR Heard Island" to Chapter President Jim Quinn, W9MFY, at the Chicago Chapter #2 meeting.*

### Chapter 7, Los Angeles

QCWA Los Angeles chapter #7 held it's semi-annual brunch on February 8th, 1998 at the Long Beach Yacht Club. 50 year certificates were presented to Vi Barrett, W6CBA; Lee Eastman, W6AWI; and Ed Fine, W6ZVM.

The meeting started at about 11 AM with a nice buffet style brunch. After lunch the outgoing president, John



*L to r: Lee Eastman W6AWI, Irwin Fine W6ZVM, John Lange Jr. K9VJB - Chapter President and Vi Barrett W6CBA - New Chapter President.*

Lange, K9VJB, presented the 50 year certificates and reviewed his year as president.

Nominations were then opened for president for the coming year. Vi, W6CBA, was elected to serve the chapter again as president for a second time.

A total of thirty were in attendance with twenty-two signing in as hams. The hams in attendance were W6AWI, W6CBA, W6DIS, KA6DJK, AB6E, N6EHK, KF6EKP, W9ESD, W6JNU, W6JWX, W6LPJ, W6MXT, N6OMS, KC6TXB, KD6UJF, W6UPN, W6UTE, W6UUC, K9VJB, N6ZHW, W6ZRZ, and W6ZVM.

**Nate Shaphran W6UTE**

## Chapter 10, Michigan

Welcome back to our members who were snowbirds for the past few months, it's good to have you back on the net. We are holding our annual meeting on May 2, 1996 in Cadillac and hope you all can be there. We also expect to have the annual picnic again in August, probably on the 12th. It will be decided at the annual meeting if that is the best day. Full details on the net.

The chapter has been fortunate to have had most of the members keep in good health the past winter. We were saddened to lose Al Rea, W6LRM, of Saint Joseph, on January 4th, and extend our sympathy to his family. Al was a very active ham, checked into many nets and attended many hamfests, so was known by a large segment of the ham community. He will be missed by many.

One of our most active members, Ed, W8IAC, will be receiving his 65 year Gold Certificate at the annual meeting. Ed's cheery voice is always heard on the net and he

always has a story to tell for a good laugh. Ed, and his YL, Kitty attend most activities of the Chapter and always are the life of the party.

We welcome some new QCWA members to our Chapter, and hope to see them at the annual meeting. They are K8AXY, WB8BPO, WB8NYM, W8TCI, W8ZO and KG8ZA. We also had a change in call for Al, WA8CHT, he became W8CHT.

**Beverly Stoner, K8ZJU, Sec'y**

## Chapter 14, San Diego

Chapter 14 members and spouses assembled on Sunday January 18, 1998 at the MCRD Officers Club for their Winter Brunch meeting. Twenty Two attendees enjoyed delicious food and good fellowship and fun.

Our program guest was Jeff Zimmer, AB6NE, Radiation Officer for Family Radio, a network of 40 radio stations nationwide including the local station, KECR. The presentation pertained to determination of EF radiation limitations for amateur radio transmitters with respect to compliance with recently enacted FCC regulations effective January 1, 1998. The presentation was interesting to



*Jeff Zimmer AB6NE (l), and John Wieting K6QM, Treasurer look over some charts on RF radiation.*

all attendees. Jeff made it simple yet concise and technically accurate. Handouts included tables, graphs and a worksheet to facilitate determining compliance. A completed worksheet on file at the station would serve as the required documentation.

During the past year we have been saddened by the passing of three Chapter 14 members: Raymond W. Dobler, W6BHF - S.C. Goldcamp, W6BRM - Leo Lusitana, K6SEW

Congratulations to Chapter 14 member Meta Brazell, WA6BNS who we honored at our Fall 1997 Brunch meeting on the occasion of her ninety-seventh birthday. We also congratulate Meta for the full page "Silver Belles" article devoted to her in the Fall QCWA Journal. We commend Meta for her dedication to a life of volunteerism.

Jack Pletcher, W6JIR, will retire as Chapter President effective at our next brunch meeting in June, 1998. Pat Bunsold, WAGMHZ, has agreed to assume the office of President and Jack will continue on as Program Chair-







*Del Radant N6JZE, beside his van which is well identified for amateur radio communications.*

man. We thank them for their past and continuing service to Chapter 14. Now we need a volunteer to assume the office of Vice President.

**Reuben Onstad N6BAS - Secretary**

**THE JOURNAL IS AVAILABLE FREE TO  
BLIND PAID-UP MEMBERS ON AUDIO  
CASSETTE TAPE. FOR MORE  
INFORMATION, CONTACT**

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Tampa, FL 33604  
PH: (813) 870-0867.**

**or**

**TOM CARTEN, KIPZU  
(tfcarten@leo.kings.edu)**

### Chapter 16, Barry M. Goldwater

Fifty eight Members and guests attended the January 24th meeting at Faylene's restaurant in Surprise, AZ. George Chaet, WIRGH gave the invocation and lunch was served at 12:00 o'clock. After a well received lunch, President Ralph Barr, WODNO had each member or guest introduce themselves. He then introduced Dr. Vince Thompson, K5VT who gave a very interesting slide presentation on one of his many DXpeditions.

This one was to Burma which is located in Southern Asia and is about the size of the state of Texas. Since 1962 Burma has been ruled by a military junta and their presence was apparent in the slide pictures along with some beautiful shots of Buddhist temples and the countryside. The group and their monstrous assortment of luggage (including radios and antennas) were swept through customs with the aid of their local contact who was a part of the ruling junta. The antennas were assembled inside as much as possible due to high humidity and 100 degree temperatures. The final assembly was done on the roof of the hotel on sticky tar. Vince commented that some of the group threw their shoes away when they were done. The array included a two element 80 meter beam. The DXpedition provided a rare contact for many DXers in this country, especially on the East coast. We owe Vince a big thank you for taking time from his busy schedule to give us an excellent program.

Eleven Anniversary awards were announced by Ralph as follows: Robert Thompson, N7JC, 75 years; John Allen, W7YR, 70 Years; H.Gerard Overeynder, W6IWR, 65 years; Wallace H. Traver, W7UK, 65 years; John Groce, W6MQ, 60 years; Harry Hyder, W7IV, 60 years; Bill Melanson, W1LID, 60 years; Don Meyer, NF7F, 60 years; John Schueler, K7QV, 60 years; George Chaet, W1RGH, 50 years; and Lockhart J. Pingree, W1NML, 50 years. Unfortunately the awards did not arrive in time for the meeting and will be mailed shortly except for N7JC. The 75 year award will be a special certificate and will arrive later.

Harry Snyder, W7HC introduced Aubrey Stewart, W6ODG from Kachina Communications, Inc. who gave a very informative talk on the Kachina 505D5P. Aubrey had set up a complete station with the 505D5P and gave everyone a hands on demonstration of the amazing features of the transceiver. In case you missed it in the last newsletter the Kachina Co. is located in Cottonwood, AZ and has been producing communication equipment in Arizona for over 20 years for the military and commercial customers. This is their first venture into Amateur equipment and what a venture it is. I think the Japanese companies will be scratching their heads for quite a while.

Shawn Thompson, Vince's son drew for prizes and then Bob Menefee, AA7QJ on the banjo and Pat Higgins led the singing with God Bless America for the finale. The meeting adjourned shortly after 2 PM.

**Gerry Higgins W7ES - Secretary**

**Don't watch this space**

## Chapter 21, Canton, Ohio

The regular quarterly meeting of QCWA, Canton, Ohio Chapter 21 was held on February 21, 1998, following the noon luncheon at D. D. Stutzs Restaurant, Massillon, Ohio. Following lunch, president Ed Clinger



*L to R: Ed Clinger, WA8DRT, President; David Glass, W8OKQ, Secretary; Charles Scott, K8BYC with his 65 year certificate; Stanley Smith, WA8NZE; and Denny Frey, K8NIB.*

WA8DRT presided for a brief meeting, There were 26 members and guests present.

Ed Clinger introduced the speaker, Michele Voican, of the Pregnancy Support Center of Stark County. The Center wishes to inform the public of its existence, purpose, services, and needs. The Center is a nondenominational Christian organization located near 15th Street on Market Avenue in Canton. A question and answer period followed showed great interest. Miss Voican is president Ed's granddaughter.

Mel Vye W8MV reported briefly on his DX-pedition to St. Pierre and Miquelon Islands in December. A report will be in QST in April.

A new member is K8JPM Bob Booher, and W8LB Loren Beck has been reinstated. Acknowledgments for our contributions to the scholarship fund were received.

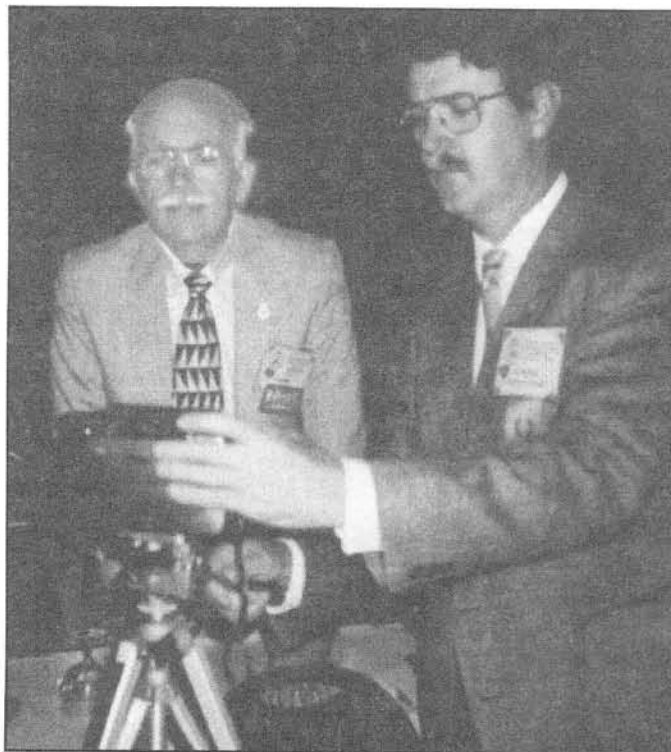
Ed Clinger called attention to the QCWA Net on Thursday evenings at 7:30 PM, local time, on the 147.180 repeater. Door prizes were awarded.

**David Glass W8UKQ - Secretary**

## Chapter 35, Kansas City

When CLARENCE ANNETI, WA5SWN (Chapter Vice President) showed LARRY WOODWORTH, WØHXS, his Digitized Tape Recording technique, little did we know Clarence (right) would be our new President.

Chapter 35 was saddened by the recent death of its

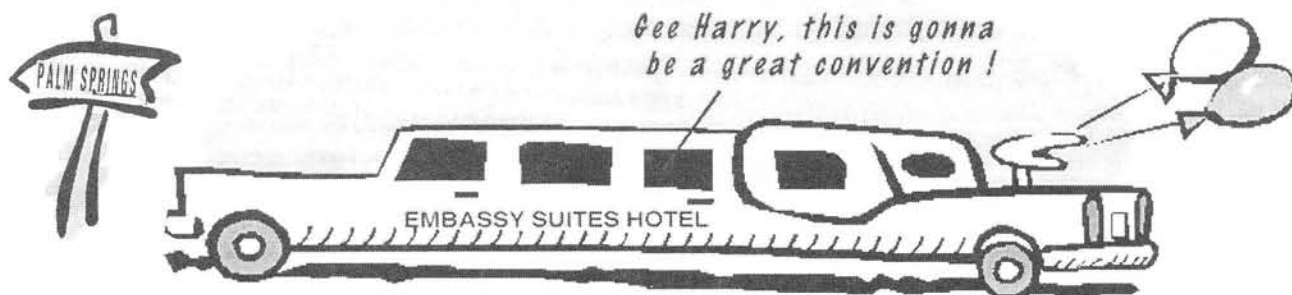


*Larry Woodworth WØHXS (l), gets demonstration of digitized recording from President Clarence Annett WA5SWN.*

President LARRY REEVES, WAØGKZ, who held the job the past 2 years. Larry served on the Convention Arrangements Committee and gave a helping hand to all. He is missed, but Larry's memories goes on with our Chapter.

WA5SWN, President Clarence asks for your suggestions and ideas. The board is planning a spring General meeting and banquet for the entire Chapter. In the meantime please continue making the Thursday Luncheons held at Sherlocks on Holmes at noon, and join the Chapter net with GENE GOURLEY KØYML AT 2030 hours Thursday on 146.97 weekly. Here you will get the latest information on the QCWA activity.

**Cass Cassing**



## Chapter Reports

### Chapter 37, Harrisburg

The final Chapter meeting of 1997 was held on December 13 at Shoney's Restaurant in Carlisle, PA. Fourteen members and five guests were present. A nice lunch was enjoyed by all present, followed by our business meeting, where the following officers were nominated and put into office for 1998. President, W3KRM, Marshall Stenger; Vice-President, K3IUY, Irv Sanders; Secretary, W8IJ, Dave Barrows; and Treasurer, WN3DUG, Carl Morris.

A live demonstration of APRS (Automatic Packet/Position Reporting System) was given by N3NRI, Greg Harbaugh and his son, Greg, Jr., complete with GPS equipment and an actual APRS system in operation. This was very interesting to all and created some new converts to APRS.

Our next meeting will again be at Shoney's in Carlisle, PA, on the second Saturday, March 13, 1998. Visitors are always Welcome!

It is with much sadness that we have to report that one of regular members and friend, W9GZV, Merton N. Baird, became a Silent Key at the age of 93, on January 28, 1998. He was licensed in 1931 and worked as an electrical engineer for General Electric in Fort Wayne, IN, for 31 years.

**Carl Morris, WN3DUG - Treasurer**

### Chapter 41, Dallas

It is with regret that we note the death of Paul Crossno, W5HT, a founding member and former officer of Chapter 41. Paul was a long-time employee of Western Union who, in retirement, continued his interest in teletype, operating RTTY to the last. He also anchored the QCWA table at Ham-Corn in Arlington, Texas, for a number of years recruiting new members. (The date for this year's popular Ham-Corn ham convention is the weekend of June 5-7, at the Arlington (Texas) Convention Center.

Gus Howard, W5KM, recently celebrated his 94th birthday and retains his quick wit. Jack Kennedy, W5DJ, is enjoying life in Elizabeth, Colorado while awaiting the formation/creation/discovery of new countries to



*Bob Olney N5NT, past president of Chapter 41, and an Emu Hair Restoration Tonic success story, has his new hair styled in preparation for a chapter board meeting in Eugene, OR.*

be worked. Jack Floyd, W5DXR, a driver in NASCAR's relatively new Seniors Division, was recently feted at a black-tie reception hosted by fellow chapter members and spouses at the Anatole Hotel in recognition of his impressive points-standing in the 1997 season. Jack drives the chapter-sponsored pink and chartreuse, OSHA-tested Hudson Hornet (#41) approved for senior citizens on quarter-mile race tracks. Jack earlier had made a name for himself in bumper cars on the carnival circuit. Nominees for 1998-99 chapter office are: Jerrel Jones, W5TUU, president; Val Erwin, W5PUT, vice-president; Bill Thoman, W5JBD, and Hall Bond, K5ZSB, directors. Ken Norvell, W5KN, chapter president, and a member of The Navy League, was invited by the Navy to witness at-sea carrier operations. Ken, himself a private pilot, reported similarities between his landings and those of carrier pilots - breathtaking, and on again-off-again. Veikko Ketola, W5WCP, resident chapter artiste, received rave reviews for his not soon to be forgotten stellar performances in "Swan Lake" staged at The Dallas Music Hall. Regrettably, failure of stitching in a crucial center line seam during a spectacular, daring stage-spanning pirouette marred his final performance forcing him to forego what critics deem would have been numerous curtain calls. He bravely took one call though wrapped in the curtain. Dallas Chapter 41, the epicenter of culture in the Southwest, supports the arts, culture, High Tea, and other worthy stuff through its multifaceted members most of whom are high school graduates or holders of GED Certificates.

**Bob Olney, N5NT Pro bono recorder**

### Chapter 45, Citrus

Chapter 45 is still looking for a new permanent home for our monthly meetings. Stacey's Buffet where we had held our meetings for several years folded its tent and



*L to r: Mort Cohen WA2ARS; Al LaPeter W2IL, President; Gary Harrison KØBC, National Vice President and Paul Turner WIDLP, Secretary.*

stole away into the night the first of January; no notice, no warning. We had had a very comfortable relationship with Stacey's and were very satisfied with the facilities. In the interim we have been holding our meetings at the Elk's Club in Orlando while looking for another home base equivalent to Staceys.

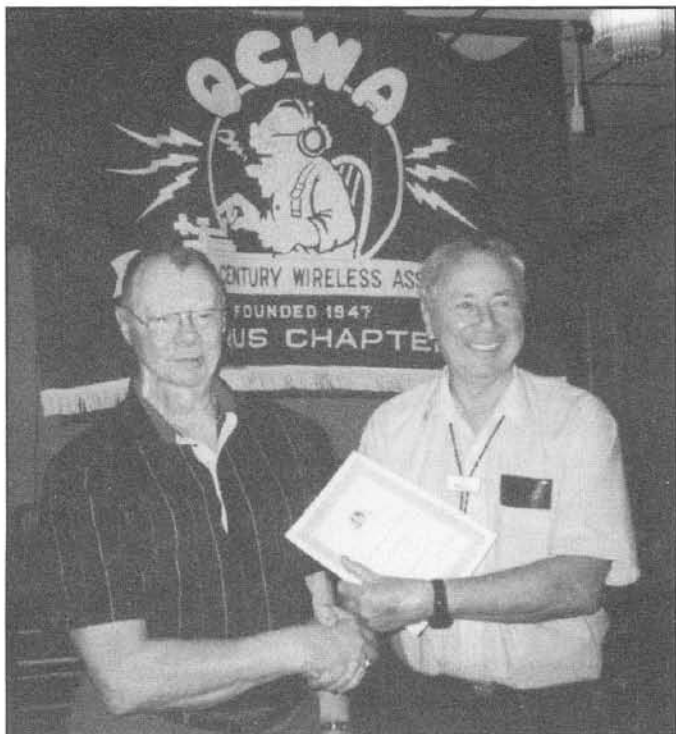
At our February meeting we had the pleasure of entertaining Gary Harrison KØBC and his XYL Carolyn,



WBØOUM. They had been at the Miami Hamfest and the Orlando HamCation and stayed over to attend our meeting. Gary is a candidate for the office of President in the upcoming election and outlined some of his thoughts as to the direction QCWA should take during the immediate future.

At our March meeting the Chapter added two new members. Clinton M. Bailey, K4TCB and Stanley O. Brugh, WA4VCK. The Chapter welcomes these new members and hopes that the association will be a long fruitful one.

John Reinke, W4CU, was presented a 65 year Certificate at the meeting. John has been instrumental in our



*John Reinke W4CU, is presented his 65 year certificate by Al LaPeter W2IL, at the Chapter meeting.*

being able to use the Orlando Elk's Club as an interim site for our monthly meetings. Walt Maxwell, W2DU, would have been presented his 65 year Certificate at the same time, but, Walt and his bride of one year were visiting the Caribbean island where he and Jean were married one year ago. His Certificate will be presented at our next meeting.

Citrus Chapter operates a club repeater, W4PLA, on 147.195 mHz with a scheduled net each Tuesday evening at 1930 hours local. If you are in the area and would like to attend our meetings, join the net to find out where we will be at noon on the third Saturday of the month. All are welcome. We would like to get to know you personally.

**Paul A. Turner W1DLP - Secretary**

## Chapter 51, Tex-La Golden Triangle

Our February meeting was held at Dorothy's Front Porch Seafood. Our program was presented by Paul Tanner. Several years ago while recovering from a back injury he started walking on our local beach. Soon he started to pay attention to what he was seeing along the beach. >From this he developed an interest in the geology, archeology and anthropology of the Southeast Texas coastal area..

He showed us fossils that he has collected on the beach from the woolly mammoths, sloths, tapirs and other animals that inhabited this area thousands of years ago and described the changes that have taken place in the rivers of Texas and Louisiana since that time.

Our meeting for March was held at Cody's Restaurant in Orange on Saturday, February 28 in conjunction with the Orange Hamfest. Instead of a formal program we discussed the bargains that had been found in the flea market.

Our April meeting was held at Dorothy's Front Porch on Saturday, April 4th with 26 members and guests present. Our program was presented by Donna Zaro, local Victims Advocate for MADD (Mothers Against Drunk Drivers) . Five and a half years ago she lost her husband and daughter in an accident caused by a drunk driver. She told us about her own losses and urged us to join her in lobbying for lowering of the legal limit for blood alcohol.

The members of Chapter 51 mourn the death of Past President Curtis Evans, WA5DBA.

**Dub George W5DUB - Bulletin Chairman**

## Chapter 53, Suncoast, Sarasota,FL

At our recent meeting on March 5, 1998, we were honored by the presence of our President Emeritus, Frank Lester, W4AMJ. Frank is one of the founders of QCWA and is credited with naming the organization. He is in good health and it was a pleasure to have Frank and his wife with us.



*Directors John Fyke VE6AIV (l) and Charles "Dick" Dean N4RD, discuss 1998 Strategic Plans for the Suncoast Chapter during one of the Chapter monthly luncheons.*

## Chapter Reports

The meeting was held at Denny's restaurant in Sarasota where we have a separate room and a very good menu choice of four items at an attractive price. (Including dessert, of course.)

After the usual meeting formalities, Hans Standke from "Lake on the Mountain" Ontario gave a very interesting talk on his experiences in both Hitler's Army and later with the Allied Forces organization. It was particularly interesting to hear of his experiences as a Prisoner of War in Siberia, and also about his experiences in the Nursing and Hospital fields. He retired as a Hospital Administrator in Picton, Ontario, near the northern shores of Lake Ontario. His final comment showed his appreciation for the good life in Canada and the US by saying "God Bless America" which was quite emotional. He received a rousing ovation. Han's son is a Radio Amateur - Seig Standke, VA3ZYG.

**Frank J. Schwab W8OK - President**

### Chapter 62, Suwannee Ocala, FL

Awards were the main event at our Chapter meeting in February when Bob Saulpaugh, AG3S, received an "Elmer" award for his help to members learning their computers and a plaque for "Outstanding Member" for the



*L to r: Bud Wilson KB3NR, Chapter President presents an Outstanding Award to Bob Saulpaugh AG3S for his years as Secretary and President of the Chapter.*

years 1993-1997 when Bob served as Secretary and then as President. Now taking a break from Chapter duties, Bob is catching up on other things he had to put aside during those years. But his love for the Chapter still exists and we know that he is available to help us as we work to build our membership. Other happenings included Daisy Coleman, W4QAV, volunteering to be Treasurer and Curtis Byrd, W8XV, accepting the vacant position of Director.

**Hal Maider K2HWW - Secretary**

*You can't have a better tomorrow if you are thinking about yesterday all the time.*

### Chapter 63, Central Oklahoma

IT IS NEWS TIME AGAIN, which means already one-fourth of our new year is gone. I hope that so far you all have enjoyed the year. We have already made it through the first 3 Ham Fests — Elk City, Tulsa and Lawton. Having been to Tulsa and Lawton, our Chapter 63 has been well represented at the Ham Fests.

Our Chapter has had 6 new members join so far this year. They are: Charles P. Chilton, WG5M, F/L in 1976, an Extra Class and lives with his wife in Oklahoma City. David A. Ferguson, K5SXJ, F/L 1957, a General Class and lives with his wife in McLoud, OK; Joseph C. Kolb, W5JED, F/L 1940, a General Class and lives in Mangum, Ok; Kelsey G. Mikel, KK5KU, F/L 1967, an Advanced Class and lives in Fort Smith, AR ; Frank L McCollom, N5FM, F/L 1973, an Extra Class and lives with his wife Alice in Oklahoma City; and last but not least is Glendal Brown, WB5GVZ, an Extra Class and he lives in Lawton, OK. A BIG welcome from all the members of Chapter 63. Happy to have you all on board. Hope you can join us on the nets and attend the meetings.

Our ex-President Jay, W5QVS, had surgery, I am happy to report that Jay is at home and is doing ok. John, K5CBP, our Vice-President also had surgery. John is home and is doing ok. Charlie Greene, WA5JGU, also had surgery. Our sincere wishes are that they all will have a speedy recovery from their surgery.

We in Chapter 63 hope to have a very good year. Our Chapter is going to be the Tellers for upcoming National Elections. We plan to get help with the counting of these votes at our Saturday coffee meetings. All help will be appreciated in counting the votes for the National Officers and Directors.

**Norm Wilson W5FLO - Sect/Treas**

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**Norm Wilson W5FLO - Sect/Treas**

## Chapter 65, Niagara Frontier



*Hank Kuhn W2IRU, was presented with a Meritorious Award at his Chapter meeting.*

Our Chapter 65 Director Hank Kuhn has added the QCWA Meritorious Award to his award received for his many years of reading for the handicapped and blind. Good go Hank.

We are saddened by the loss of our member and recently elected Director, Robert C. Johnson, W2WVC. Bob worked as an engineer for WADV-FM, WBNY-FM and WGR-TV. He retired as Chief of Medical Media at the Veterans Hospital. Bob was a Charter member of Chapter 65.

We are very pleased to welcome the following new members:

Perry Hake, WA2MSV - John Di Livio, K2CF - Robert Gaye, K2LGJ - Keith Laudenslager, K2DSN - Ray Sara, W7USA - Al Soboleski, W2QTL ex-W8QTL - Steve Susch, K2PLI - Gerald Tyror, KB2WVR ex-G8BOT - Bob Vaillancourt, K2GH - Herb Ulrich, K2JVM - Rev. Lester Wilcox, WA2GUP - "Harry" Kopp, K2YZO

In December our Chapter had a great Christmas Party at the Flying Tigers Restaurant. A special treat was had with carol singing by Ann Palmer and Bob Kerns.

**Ken Palmer K2FJ/ZB2G - Secretary**

## Chapter 66, Spaceport

The Spaceport Chapter, in the area surrounding the Kennedy Space Center and the Cape Canaveral rocket launch facilities, is active in QCWA and other amateur radio matters for more than twenty five years. Officers for 1998 are President: Art Greene K4DQC, Vice President: John Nauman W9CN, Secretary: Bonny Lathen WB9TUM, and Treasurer: Bill Muessig K4FD. Our meetings are on the second Saturday of the month at Willards Restaurant in the Holiday Inn, Cocoa Beach, for lunch. All parties interested in present and past amateur radio operations are welcome to join us.

**Art Greene K4DQC**

## Chapter 67, Austin



*L to r: Jim Bennett WB5IMB, acting president awards the 50 year certificate to Jim Baker W5OHF of the Austin Chapter.*

## Chapter 70, National Capital

World Radiocommunications Conference 1997 with Jim Dean VE3IQ, who was the Amateur Radio member of the Canadian delegation, was the topic for a most interesting evening! This took place on February 18th at Ottawa's Carlingwood Family Restaurant. We were mentally transported to Geneva among the other 1700 attendees. The focus of WRC/97 was on Satellites, Frequency Allocations and Regulatory Issues. The satellite interest at the table was 300 billion dollars U.S! Various frequency slots are being sought by industry. A task group, with our own Ken Pulfer VE3PU, is studying possible earth exploration satellite interference on 432-438MHz.

The "morse" discussion and expansion of 40 meters are listed for WRC/2001, with WRC/99 centering again on satellites. The Radio Amateurs need to defend their interests on the vhf/uhf bands. In regard to EMC, Jim VE3IQ noted that the Radio Advisory Board of Canada's EMC Committee is reviewing a draft of Industry Canada's interference standard, ICES-005.

Pressure on the 400-500 MHz. and the 2 GHz. parts of the spectrum is extremely intense world wide. Interesting too, was the fact that our Bill Wilson VE3NR has received the 1998 Award of Member of the Canadian Amateur Radio Hall of Fame. Burns Getchell VE1CL has received the 1998 Award of Honour announced by the Hall



## Chapter Reports

of Fame Board of Trustees.

QCWA members Doreen Morgan VE3CGO and Ed Morgan VE3GX, for their outstanding work, have been made Life Members of the OVMRC. All about Morse Code Magic....romance over the airwaves, is an article in The Canadian Amateur concerning W9BRD, Rod Newkirk and Betty Broome Newkirk VE3ZBB.

Our Thursday morning breakfasts continue, with a welcome to all, at 0930 hrs - Embassy West Motor Hotel, Ottawa. On the Internet try <http://www.qcwa70.cyberus.ca!>

**Joan Powell VE3ZC - Sec'y/Treas.**

### Chapter 76, The Blue Ridge Chapter

One of the outstanding things that QCWA has going for it is people and there are many hundreds of stories about individual members waiting to be told. A few weeks ago, Harry Mills, K4HU received his 75 year service plaque. Last Fall, during the visit of the QCWA General Manager, Harry was presented with the QCWA Meritorious Service award. Over twenty years ago, he served as the first president of Chapter 76 and a few years back, the membership elected him as the first Director Emeritus of the chapter. And if all that's not enough, he currently serves as chapter Vice President and program chairman!



*L to R: Duke Knief, W2YTO, Chapter Secretary presents Harry Mills, K4HU, his 75 Year Plaque.*

A profile of Harry appears on page 4 of the Journal.

Finally, for all of you readers who think you're "too old", Harry celebrated his 90th birthday last year! It's apparent that he's a believer in the saying, "If you don't have a double hernia, you're not carrying your share of the load".

Chapter 76 meets on the first and third Wednesdays of every month (except December) at the Dixie Diner in Hendersonville, North Carolina with a guest speaker at the first monthly meeting. If you'd like to meet Harry Mills or some of our other interesting members, show up at 11:30. We'd be delighted to have you visit with us.

**Duke Knief W2YTO, Secretary**

### Chapter 81, Long Island

1997 was a banner year in which we found new recruits for QCWA and our chapter. Kate, AE2Z, regularly attends the local hamfairs, sets up a QCWA table and greets inquirers with a smile and an application form. The Chapter now has 55 members including about 15 new members in the past year. Kate has done more to keep the Chapter alive than just about anybody. She hosts the monthly board meetings, acts as peacemaker, has built some of her own gear, participates in fund raisings for community service organizations and is a successful wife and mother. Chapter 81 is very fortunate to have her as a member and we are grateful to her non-ham OM for his support.

This year we are continuing to recruit see if we can bring a few more QCWA folks out to some of our five meetings during the year. There was a satisfying response to a mailing to the unaffiliated QCWA members in the directory. We have changed our meeting time to days in the Winter and evenings in the Summer. We use the chapter nets as another forum for recruiting as the nets are not so exclusive that we can't enjoy having non-QCWA folks drop in to see what we are all about.

We have a substantial Sick List of regulars who are doctoring various afflictions. I suppose that is true of many of the other chapters, too. We wish them all good health and normal lives.

We were saddened in recent months by the passing of a new member, Jim Clarke, K2GYR, who had been in the Chapter for only a few months and in QCWA since February 1997. We never know how long we have on the earth.

**Carroll Hamlet W2QBR - Secretary**

### Chapter 87, Evergreen

We have a celebrity in our membership. This is Reggie Hoskins, W7ROL, who lives near Spokane. He was featured in a story on Spokane TV Station KHQ Channel 6, the area NBC outlet. He almost became a casualty on the Titanic when they were leaving Southampton those many years ago. At the last minute one of the officers took his Mother aside and had conversation with her. When she returned to the children she told them they had to disembark. When Reggie questioned her as to why she told him not tell the sisters her answer. Seems as if when she filled in her passport she left off the name of the baby sister and this invalidated her ability to leave. What a break as they would have been on board when the Titanic went down.

Some of our local members have been traveling this winter. One is Ken and XYL Pat who took a two week cruise on the Caribbean. They had friends with them, the husband of whom had just received his brand new ham license. His first QSO was on board the ship while anchored and was with a ham on one of the islands. Nothing like working a DX station for your first QSO.

One of our members, WA7IPM, Scott who lives on a ranch in Oregon and has many open acres probably has the longest antenna in our group. It is a full wavelength 160 meter apparently in the form of a square with each side being this length. Sometimes his signal is strong at

this QTH the gain control has to be almost closed...

We have just learned a new chapter is being formed in Boise. A few of our chapter members have been trying for several years to start one and we offer our congratulations to them for their success.

Don, W7VOU of Orofino, ID has been keeping very busy all this winter by rebuilding a travel trailer for their ham club. It is being made into an Emergency Communications vehicle for their use. It will be completely equipped with all necessary features including high and low frequency equipment and power generation. A very worthwhile and Don has to be appreciated by that group for taking on such a project.

## AI Cutting W7ENQ - Secretary/Treasurer

### Chapter 91, Vic Clark

The Vic Clark Chapter 91 held its March meeting on 21 March 1998 at Neighbors Restaurant in Vienna, Virginia with 16 members and 6 guests in attendance. President Terry Hines (N4ZH) opened the meeting.

Secretary-Treasurer's Report: Minutes of the previous meeting (17 January 1998), in draft form, had already been circulated by e-mail and also printed in the March newsletter. A motion to accept the minutes as written was made, seconded, and passed.

Dick reported on the status of the treasury. Since the first of the year, revenues have totaled \$300.49 while expenses have totaled \$279.68. Expenses include a \$100 donation to the QCWA Scholarship Fund in memory of our Silent Keys last year. We currently have 80 paid up members.

Future Field Trip: The chapter will take part in a field trip to the Navy's NSS transmitting site at Annapolis, MD on 18 April. This will be the last opportunity to view this super-power VLF facility as it is scheduled for early demolition. So far, 11 members have signed up for the tour. Dick will coordinate drivers and riders for best efficiency. Members and guests will enjoy lunch afterwards at Busch's Chesapeake Inn. [Follow-up note: At least 20 persons showed up for the VLF transmitting site and antenna farm tour and following lunch.]

President's Remarks: President Terry Hines talked briefly about plans for the chapter's participation in the ARRL Field Day, 27-28 June, this summer. He announced a topic for the May meeting will be antennas suitable for use in the field. He invited members to come forward with candidate antennas to show off and discuss at that meeting.

Program: Dick Rucker introduced those who brought home-brew or kit-built equipment to display. Presenters and their items were as follows:

Brad Flippin (K6HPR). Brad brought three items; an early Heathkit vacuum tube keyer, a Heathkit 2-meter transceiver, and an early Heathkit catalog in mint condition.

Terry Hines (N4ZH). Terry brought two items. One was an 80-meter, one tube, crystal controlled transmitter plus its power supply. Terry built this transmitter and power supply when he was Elmer'ed into amateur radio many years ago. His other item was a Ramsey 2-meter transceiver kit constructed about ten years ago.

Frank Haynes (W4NUA). Frank brought some home-brew test gear.

Jack Carter (N4UY). Jack showed off several tiny, kit built QRP rigs. One was a 40-meter rig composed of a Pixie II transceiver and an MRX-40 receiver (200 mw output). Both components are designs from QRP enthusiasts and the combination, with a 40-meter dipole, produced 61 contacts in 17 states and provinces over an approximately 30 day period. It also won a QRP contest for Jack — using a 9-volt alkaline battery! Jack's second item was a 20-meter Wilderness Radio SST or simple superhet transceiver. It contains only 80 parts. The receiver is a superhet with a three-crystal filter and an if of 4 MHz. Transmitter power is 2 watts with a 13.8 volt supply. Jack has worked all west coast states —including Alaska — 2-way QRP with this small rig. He also worked CT98ETT in Portugal. In addition, Jack also displayed a tiny transmitter using surface-mount parts.

Dick Rucker (KM4ML). Dick displayed a complete QRP station assembled from kits by Oak Hills Research. Components were: an OHR-100 40-meter transceiver, a DD-1 digital dial, a WM-2 QRP wattmeter, and a home-brew power supply — from the ARRL Handbook — to power the assembly.

Bob Fasulkey (W3BBQ). Bob brought a vacuum tube keyer built just after World War II.

Nelson Seese (W4BHD). Nelson showed off two "made from scratch" items. One was an 80 through 10-meter transmitter using plug-in coils and with a 6146 final at 90 watts. It was modeled after a QST design in the early 1950's and is a close physical copy. The other item was a 6-meter AM rig, with modulator, with a 2E26 final running 24 watts and modulated by a single (metal!) 6L6. While the circuit is based on pre-existing designs, the physical layout is his own.

Floyd Martin (W4RW). Floyd brought in a homebuilt 80 through 10-meter transmitter using a pair of 6146 tubes in the final.

Roy Lockhart (K4GEL). Roy displayed his L/C meter IIB constructed from a kit by Almost All Digital Electronics. The item featured automatic ranging and self-calibration.

Also displayed were some examples of historically significant vacuum tubes for early receivers. These were donated to the chapter by Bill Getchell (W1HRE). Dick researched, documented their history, and prepared them for display. This collection of tubes will be auctioned at a future chapter meeting.

**73 de KM4ML es W4BHD**

Two hams were talking. "My XYL can talk for hours on any subject," one of them said. "You're lucky," replied the other. "Mine doesn't even need a subject."

## Chapter Reports

### Chapter 94, Roadrunner

Our first quarter meeting for this year was held Saturday March 14th at Shoney's Restaurant 9700 Montgomery Blvd. Albuquerque, NM. The highlights of the meeting were the presentation of golden certificate awards to some of our distinguished members. There were 4 golden certificate awards celebrating 50 years or more in the



*L to r: Robert Munn K5VB, Joe Knight W5PDY, Joe Huffman KG5GM and Andrew Pflug W5VTA with their awards.*

amateur service, also there were 4 century club certificates issued to members whose age, when added to their number of years as a member total 100 or more. We had two members receiving honorable mention who could not be present.

Joe Knight, W5PDY, 50 year certificate; Jennie Lathrop, W5YSJ, 60 year certificate; Robert Munn, K5VB, 50 year certificate; Jack Sprague, K4AK, 55 year certificate; and Carl Carlberg, W5IH, 70 year honorable mention.

Joe Huffinan, KG5GM, 101 Century club certificate; Lawrence Lodge, W5BDY, 100 Century club certificate; Andrew Pflug, W5VTA, 101 Century club certificate; and John Halliday, W5PIZ, 101 Century club honorable mention.

The Roadrunner Chapter 94, can be proud to honor these distinguished members, who have contributed to the advancement of amateur radio through the years. 19 of our members hold 63 of these honor awards. Congratulations!

**Irving McLane N5KVX - Secretary/Treasurer**

### Chapter 95, Eastern New York

Extra, extra read all about it! Yup our chapter is having extra luncheons some months. And we have a very good set of reasons. Each month we have a usually scheduled luncheon on the third Saturday. But we noticed that some members of the chapter were unable to get to the luncheons. Soooo, we are accomodating the situation. Now this is in the planning stages at this time. Here is how it might work out.

Several chapter members hope to travel 50 miles west to meet and have an eyeball QSO with a chapter member who lives out "thataway". We will have two meter contact on the way out and will make a true ham trip out of it. But that is not all. Closer to home we are hoping to have an extra luncheon in Albany to meet with members



*Chapter members gather at their meeting. L to r: KJ2T Dick, K2SMA Steve, WB2RWT Gladys, NR2J Dave, W2CJ Don and WB1M Bill.*

there that can't get to our usual luncheon site. No doubt about it comraderie is going strong and the chapter is helping everyone get their share of activities.

Oh Oh, that brings up another topic. Our area is well populated and has many clubs each with a monthly newsletter. A few years ago Chapter 95 voted to not have a



*Presentation of a 50 year certificate to Don W2CJO. L to r: Dick Lathers KJ2T, Dave Bargovic NR2J, Don Roberts W2CJO and Bill Diman WB1M.*

newsletter but instead to apply the dues monies to cover the cost of hot appetizers at our annual dinner meeting. Sound interesting to you? Well feel free to consider it for your next dinner. Extra, extra now you've read about ways our chapter is different and earning it membership's loyalty. If we come up with any other ideas you can share them with us right here in the journal. Well summer is here as you read this and you can make your plans just as we have.

**KJ2T**



**Another Crazy (and actual)  
Newspaper Headline**

**Typhoon Rips Through  
Cemetery - Hundreds  
Dead**



## Chapter 111, Palm Beach

We would like to inform our friends in QCWA land that Chapter 111 in Palm Beach Florida is alive and well. Bob McDow, our venerable past president and secretary has passed the torch to a new team of officers. They are Angelo Tagarelli W2TVE, Henry Felton W4UJ, and the hardest working member, Secretary Don Hatfield WN4YKC.



*On the left, Clyde Arntzen KD4KN, is presented an award by Croft B. Taylor VE3CT.*

We are holding our monthly luncheon meetings at Stacy's Buffet Restaurant in West Palm Beach the last Tuesday of each month. QCWA members visiting our area are cordially invited to join us for food, fun and fellowship. Past President Forrest Haynes K4YPO sends regards to all his QCWA buddies and reports that he is doing fine. With regret we report that Glenn Andrews W4OMY and Alex Ekblad W2HI have become silent keys.

Director Alan Pickering KJ9N visited us in October and stressed the need to maintain membership goals. In November Walter Zmetronak W2MHL gave an interesting talk about early TV programming when he was a TV lightning technician in New York. Vice President Croft B. Taylor visited us in February and gave an interesting talk concerning the effects of upcoming tele-conferences on our future ham radio activity. he also officiated in the presentation of 60 year certificates to Sy Levine W2LPT and Clyde Arntzen KD4KN.

Henry Felton W4UJ is a radio technician for the Palm Beach County Sheriff's office. He gave a very interesting talk about his work for the sheriff's department. He de-



*On the left, Sy Levine W2LPT, is presented an award by Croft B. Taylor VE3CT.*

scribed his work in the past, present and hinted at what we can expect in the near future.

Anyone wishing to contact our chapter can use our e-mail address at [wn4ykc@maco.net](mailto:wn4ykc@maco.net)

**Angelo Tagarelli W2TVE - President**

## Chapter 115, Chattanooga

The Chattanooga Chapter #115, QCWA, held two meetings during the year. At the official annual meeting on Feb. 18th, the previous officers were continued in office. President, Charlie Curie, AD4F; Vice President, Charlie Wheaton, KJ4RC; and Secretary-Treasurer, Joe Duncan, W4ECW. This was a social evening and there was no program.

At the July 15th meeting, an interesting video was shown on EMF (Electromagnetic Fields). This video, produced by EPRI (Electric Power Research Institute) dealt with the alleged adverse effect of fields on the human body.



*L to r: Lee Balch W4IN, Bill Lawson K4IOP, Charlie Curle AD4F, daughter Esther, wife Charlie Ann WG4G, daughter Rena at the retirement party.*

Expressions of sorrow were made concerning the death of Roy Dynesius, W4RKN on May 26th. He was a long time member and will be greatly missed.

Also covered in this report, is the retirement party for Charlie Curle, AD4F, on Jan. 24, 1998, at St. Francis of Assisi church in Ooltewah, Tenn. Charlie was first licensed in 1951 as WN4TDZ and has served as president, vice president, and treasurer of the Chattanooga Amateur Radio Club. He has been a member of Chapter #115 since 1977, is a life member, and has served as president, vice president, and secretary-treasurer. He retired from a position with the City of Chattanooga Electronic Division as electronic technician. A number of QCWA members attended the affair: Joe Duncan W4ECW, Tom Cash K4ZQX, Tom Wolfe K4CMY, Jim Fletcher N4UKF, Clyde Turner WA4HAM, and Lee Balch W4IN. A number of other hams were present, including members of the Chattanooga Amateur Radio Club.

**Joe Duncan W4ECW - Sect./Treas**

## Chapter Reports

### Chapter 119, Tidewater Virginia

Recently the Tidewater Virginia Chapter #119 got an infusion of some new energetic members and is now re-activated. They are doing very well and their name well describes their geographic location. The Secretary of the Chapter is Jim Wise, W4PRO and can be reached at 757-851-1283. See the associated picture for the rest of the officers.



*L to r: Bus Etheridge K4IX, Vice President; Charlie Chapman W1WTG, President and Jim Wise W4PRO, Secretary/Treasurer.*

### Chapter 126, Piedmont

The Spring Meeting of the Chapter was held in an elegant restaurant called the Vineyards, located in the Reynolda Village of Winston-Salem, NC. For those coming to this area, the Village contains the historic home of the Reynolds tobacco family whose home is open for tours by the public. Thirty six members including their wives and friends attending the meeting. As is the custom, President Bill Wray, K4BPH, had each person introduce themselves so all would know who was there.

Following a delicious meal, and business meeting, Ellicott Valentine, K4JO, talked about his acquaintances with members of the Bell Laboratories in NJ, that developed the solar cell. He had a demonstration model, and showed on meters, the voltage and current developed by his cell using the lighting obtained in the dimly lit restaurant room; 12.5 volts at 10 amperes!

It was announced that four new members have joined the Chapter since the December 1997 meeting. They are:

Owen Garner, K1AF, Southport NC; William Plyler, W4EH, Advance NC; Tag Bowers, K4TAG, Mocksville, NC; Clarence Beaver, K4SHU, Salisbury NC

Another happy event was the presentation of Anniversary Awards by President Wray to the following.

Nelson Large, W4FQV, 60 years

Earl Fox, W4DWR, 50 years

Wilbur Fulton, W2SE, 65 years

Tony Elia, K4EMN, 65 years

Ellicott Valentine, K4JO, 65 years

A round of applause was accorded to those men who are enjoying Amateur Radio after many years of activity.

Out-going Net Control station, Henry Elwell, N4UH, announced that the average weekly attendance on the Sunday morning Net was up to 13.9 the last three month period. We welcome all on this Net. The Chapter changes the Net Control station every three months to give others a chance at that position. The next quarter will be under the leadership of Walter VanGeisen, AB4DQ, with Bill Plyler, W4EH, as the alternate. Remember to look us up in the Chapters on the Air if you contemplate going through North Carolina on a Sunday; we have had several out of State QCWA members drop in on our Net; nice thrill to hear you all.

**Henry Elwell, N4UH - Secretary**

### Chapter 130, Inland Empire

147.330 up 600 Repeater. Time 1930hr (7:30 pm ) Tuesday. First net will be June 2, 1998 for Chapter 130. Net Control is W6JQB Al Hill in Redlands, CA. We are using the same repeater as Chapter 164 and hopefully we can pick up many of Chapter 164 members too. The Repeater has very good coverage for Southern California. All QCWA members are welcome, plus we invite visitors to check in and get to know about the activities of QCWA.

June 6th Spaghetti Luncheon to be held in Anaheim, Ca. This is always fun time luncheon and is done by members of chapter 130. No one ever leaves hungry.

Field Day the last weekend of June is another outing in which the men of Chapter find out if their Ham Stations are really portable and can handle emergency use.

August 1, is the date for Inland Empire Chapter 130 to go to March Air Force Base to the H. H. Arnold Officer's Club Luncheon.

October 9th to the 11th is Convention time with Chapter 154 as Host. Inland Empire Chapter 130 is working to have many of its members attend.

December is fun time with Luncheons, Gift exchange, with the best of fellowship as a family. The date is set for the 12th and this year it will again be in San Bernardino.

We move our meeting places about each year to make possible for as many members to attend some meeting as there are those that can not travel long distance.

Come join us in Inland Empire Chapter 130.

**Perry Westrope WA6LLB - Secretary**



**Chapter 138, Marconi**

The Marconi Chapter 138 First Quarterly Meeting was held on January 20, 1998. The meeting was opened by president Joe Dreifuss, W2KQ, with the recitation of the Pledge of Allegiance to the flag of our country. Twenty-five members including Donald Pingitore, KC2BTF, a new member, and 7 guests were in attendance.

Bernie Ricciardi, WB2EJT, presented the secretary's report noting that at this meeting a vote will be made on changes to the by-laws to the constitution. Leta Ladd, WA2QCE, gave the treasurer's report and stated that the treasury, in general, was in good shape, but cautioned the membership that postage, printing, and copying costs have gone up. Health and Welfare: Jack Saperstein, W2IMM, attended the meeting and thanked all the members for the cards and prayers for his recovery.

Old Business (a) Membership Bernie stressed the importance of new members, and said there are a lot of men out there that all is needed is to be asked. For the dinner meeting bring a potential new member or at least encourage him to visit the web site ([www.monmouth.com/~eroswell/qcwa138.htm](http://www.monmouth.com/~eroswell/qcwa138.htm)). (b) Constitution By-Laws - The change to Art II, Sections 1 and 2, pertaining flexibility in adjusting the dues was passed by a 22 to 3 vote. At the annual 4th quarterly meeting each year dues for the following year can be discussed and adjusted by a majority of the members present. Also, Art IV, Section 3 was amended to include a goal of the Activities Committee to schedule field trips once per quarter. This was passed by a 20 to 5 vote.

New Business: (a) Bob Buus, W2OD, gave a report on National activities. He gave a rundown on the candidates for National offices and encouraged membership to vote. He was asked by membership about the delay in the Journal and promised to look into the matter for them. (b) Joe Dreifuss reported that the "Tuskegee Airmen" would be our guests at the Annual Awards dinner. They received national recognition for their heroics as aviators during WW II. They Germans both feared and respected these "Black Birdmen". The speakers will bring displays, short videos to supplement the talk which will be of general interest to the audience. Joe encouraged all to get the word out for a good turnout. (c) Leta Ladd has donated a "1922 Vibroplex Bug" to be give away as a prize at the Awards meeting. (d) Phil Petersen, W2DME, mentioned that in 1999 there will be a 100 anniversary celebration at Sandy Hook, Twin Lights location of Marconi's 1st wireless communications on American soil. He wants the Marconi chapter to take the lead in organizing celebration activities to duplicate the memorial event. A committee was established to look into the matter.

Program Mr. Thomas Herman, Senior Business Analyst, from the New Jersey National Gas Company gave a talk on gas deregulation. The topic was timely and well received. The next meeting is the Annual Awards Dinner and is scheduled for Sunday afternoon, May 3, 1998 at the Ft Monmouth Officers Club.

**Bernie Ricciardi WB2EJT - Secretary**

**Chapter 151, Wild Rose**

Chapter 151 once again held their 13th annual chapter meeting at the Royal Canadian Legion, Innisfail Alberta. Luncheon was served by the ladies auxiliary which was enjoyed by all. Although Attendance was down with 10 members and 8 guests, it was nice to renew acquaintances and enjoy some eye ball QSO's.

The following members were Elected to the executive for 1998. President Norm Reidford VE6NR (2nd Term) Vice President Les Card, VE6CA; Secretary Bruce Collisson, VE6BAC. Treasurer Don Stewart VE6DS. Directors serving their second year term, Northern Alberta—Ron Chalifoux VE6AMG, of Edmonton; Southern Alberta—Harvey Milne VE6JV of Calgary.

Following the elections of officers, president Norm Reidford presented the following members, gold anniversary awards for continued service as licensed amateur operators. 50th—Villa Jean Tyrrell, VE6VJ, 60th—Don Stewart, VE6DS; 70th—to Frank Makepeace, VE6AH. Due to other commitments Frank was unable to attend our meeting to receive his award. The executive, president Norm, secretary Bruce, treasurer Don and member Bud Read, VE6GG, drove to Frank's home QTH in Sangudo, Alberta to present Frank with his award. Frank's XYL Dorothy served up a delicious lunch of home made soup and sandwiches. A most interesting rag chew was enjoyed for the rest of the afternoon. Frank, VE6AH, is celebrating his 90th birthday this year.

President Norm, VE6NR, paid tribute to member Stan Mitchell, VE6LY, who became silent key December 1st 1996.

After lunch the president introduced our speaker, Paul Christiansen, VE6ABD, Paul gave us an interesting account of his experiences as a pilot of Halifax bombers during world war 11. His talk covered the time of his enlistment and training at various British commonwealth centres, to the end of his 37 tours of duty. Paul was awarded the Distinguished Flying Cross for his service in the RCAF.

Plans are being considered to hold our 14th annual meeting in Lethbridge, Alberta, next year.

**73, Bruce Collisson VE6BAC - Secretary**

**Chapter 154, Leo Meyerson**

The QCWA Journal for spring featured a two-page ad detailing the complete plans for the October National Convention which the chapter is hosting. Chairman Don Doughty noted at the April meeting that some reservations have already been received, and he is looking forward to a highly successful convention. The QCWA call W2NM will be used in the special event station being planned for the lobby of the convention hotel. Visitors will be given an opportunity to use the station, which will be under the direction of K6UNR, an eminent Coachella Valley DXer, who formerly worked in the Hollywood movie industry. Bart was also in charge of organizing the club's participation in the Spring QCWA QSO party which used the same (National QCWA) call at W6EEN's contest station in Bermuda Dunes.



## Chapter Reports

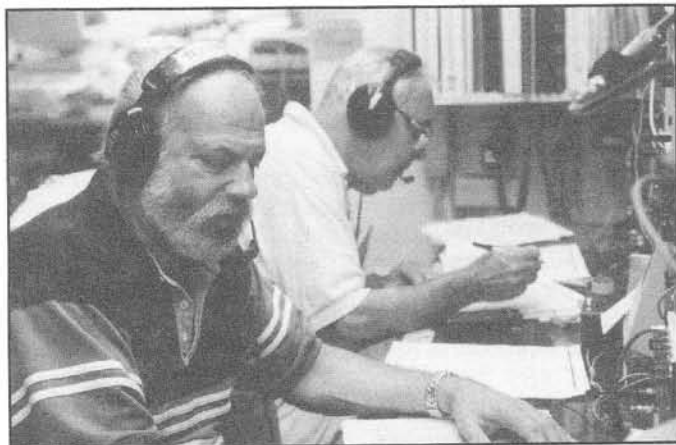
Club meetings this year have featured five-minute presentations by various members relating their most "momentous ham experience." Some have been funny; others have been fascinating; all have been interesting.



*Norm Kabuss W6BWU, at the operating position of W2MM during the QSO party.*



*Bart Susman K6UNR, in the background and Gene Pentecost W4IMT at the operations position of W2MM during the QSO party.*



*Bart Susman K6UNR, and Bob Rose K6KRZ, Chapter President, handling the special event station W2MM during the QSO party.*

Meetings held in Desert Hot Springs the past several years may be inconvenient for some members, and the chapter will try several other venues in the next season, President Bob Rose reported.

**Sidney R. Rose, W9VKC**

### **Chapter 162, Southeast Wisconsin**

A regular Chapter business meeting was held at 7:30 p.m. Monday November 17, 1997 at the Meadows restaurant in Franksville, Wisconsin. President Spence Clope appointed Larry McCalvy, WA9JMO and Bob Jensen, W0WLN as a committee to select nominees for the chapter Olie Fox Award. The award was initiated as a memorial to Olie, K9AKG, now a Silent Key. The award goes to any Amateur in the chapter area who has been licensed at least 25 years by the time of nomination and has made a significant contribution to the Amateur community. A schedule of chapter events for 1998 was adopted.

The December chapter meeting was the annual Christmas Party, held at 1:00 p.m. Sunday December 14, attended by 24 chapter members and spouses, and featured a special cake obtained by Bill Komistra, W9OVZ. For such actions and many more great contributions to the chapter, Bill was awarded the QCWA Meritorious



*The Special obtained by Bill Komistra, W9OVZ for the Chapter 162 Christmas party. "Don't be late, participate in 1998"*

Service Award by President Spencer Clope, W9LDH. Pine bough decorations made by Marbeth, wife of Ken Knoff, N9NBC were centerpieces for the tables as those attending enjoyed a fine meal followed by a gift exchange.

The chapter met for a business meeting on Monday January 19 at 7:30 p.m. at the South Fork restaurant in Kenosha. President Spence, W9LDH appointed Al Algiers W9HR, Chuck Knotek, W9GKM and Ed Konicek, W9NVK as a committee to audit chapter financial records. It was announced that action had been started to try to obtain K9AKG, the call of former member Olie Fox, as a memorial, for the chapter station which now holds the call KB9LUJ. Larry McCalvy, WA9JMO asked for nominations for the chapter Olie Fox Award and for the southeast Wisconsin combined Amateur clubs Ham of the Year Award, both to be presented at the ham banquet to be held March 28 at the Racine Yacht Club. Bill Komistra, W9OVZ, showed and explained a shortened "folded dipole" antenna for 20



*L to r: Bill Komistra W9OVZ, receives his Meritorious Award which he has received from the chapter President Spencer Clope W9LDH.*

meters as written up in the December World Radio by Kurt N. Sterba.

**Robert N. Jensen WØWLN - Secretary-Treasurer**

### Chapter 169, Sacramento Valley

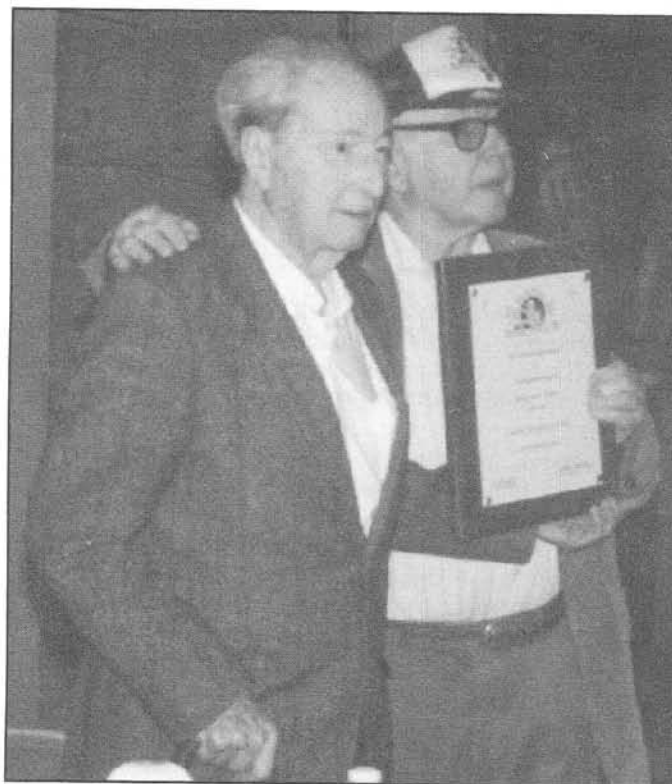
The monthly meetings are held on the 2nd Wednesday of each month at the Lyons Restaurant, on Howe Avenue here in Sacramento. A great breakfast is then followed by a speaker who brings refreshing information to the group. Attendance is about 30 or so for each meeting.

The latest meeting featured presentations for a couple of our members. President Paul Wolf, W6RLP, pre-



*L to r: Paul Wolf W6RLP holds the Meritorious Award for Norm Brooks K6FO, for his many years of faithful service to the Chapter and QCWA.*

sented Norm Brooks, K6FO, with the meritorious award for his long time service to amateur radio and to QCWA.



*L to r: Frank Jacobs W2BSL, holds his 75 year award plaque after it was presented by Paul Wolf W6RLP, the chapter president.*

President Paul Wolf, W6RLP, then presented a 75 year plaque to Frank Jacobs, W2BSL, and early member of QCWA in its beginnings and was a founder of Radio Transceiver Labs. They manufactured 5 meter transceivers which were used by the Forest Service and by the builders of the San Francisco/Oakland Bay Bridge in 1936. In 1990 Frank attended a dedication of the Marconi Conference Center State Historic Park and was pleased to see his early prototype of the transceiver on display.

All radio amateurs are invited to attend the meetings. Call Paul Wolf at 916-489-8112 or Bill Hendrick, NS6D, at 916-925-5858 for further information.

**Bill Hendrick NS6D - Secretary**

### Chapter 201, Gem State

After many start up failures the following amateurs in Boise, Idaho got together to form a QCWA Chapter for the area. W7MAF Neil Zimmerman, N7EIT Carol Zimmerman, W7GHT Bill Smith, K7NSW Richard Schmidt, W7SC Bob Ahmann, K7OLJ Rex Green, W7PCP Gerry Moser, WO7X Norm Nauglier, N7EZQ David Karaloff, W7IZZ Ed Fujii, W7IWU Alan Ross, W7RNF Terry Laduke and N7AL Albert Hale made up the group at the first meeting Jan 29th. W7MAF was elected Pres, K7NSW VPRES, N7EIT Sec/Treas and W7GHT board member. We have added to our membership W6ZOH Floyd Worth, W7NJU Larry Moore, W7JZU Gary Payne and AA7WG Rich Dees. The group is meeting the

## Chapter Reports

last Tuesday of each month at Godfather's Pizza on Overland and Orchard at 7 pm to have eyeball QSO's. Future plans are to avail ourselves to be Elmers for the area.

Neil Zimmerman, W7MAF

### CUPS AVAILABLE

Headquarters has several dozen 50th Anniversary Cups that were prepared especially for the 50th celebration at Kansas City in October.

For those who did not make the convention, this is your chance to obtain a memento of our 50th Anniversary Year of QCWA. Order a cup for your collection. It is white with blue QCWA logo on one side and the other side carries the insignia of the Kansas City Convention.

**Price is \$10.00 prepaid.**

#### ALSO AVAILABLE

Special QCWA, Kansas City Golden Anniversary Watches for **\$20.00** postpaid. Supplies are limited.



Send your chapter reports to me (*that's Jim, you know*) at Headquarters by July 5th.



### QCWA Internet Home Page

<http://www.teleport.com/~qcwa/>

## Life Member Survey Final report

Duke Knief, W2YTO, QCWA Treasurer

**F**rom an article in the Spring issue of the QCWA Journal, the general membership was made aware of the recent life member survey. Why a survey of life members?

Over time, it has become obvious that there is a need to re-establish contact with many of our life members if for no other reason than to update the QCWA database with new or updated addresses and calls. The FCC highlighted this need by re-assigning the call of one of our supposedly "active" life members to another QCWA member! The previous holder had been a Silent Key for more than two years and Headquarters had just never been notified.

In mid-December, slightly over 3000 survey letters were sent to every life member world-wide. The same mailing list and methods - first class or bulk mail - were used as in distributing the QCWA Journal. Some four months later, over 2000 responses have been received with many comments both positive and negative. Three members chastised us for not including return postage ...although the return envelopes provided could have been dropped in any U.S. mail box and would have been returned to sender, in this case, QCWA Headquarters! Five members did exactly that. Many responses came via e-mail from members who realize that Internet routing is certainly as reliable and great deal faster than any postal system in the world. Unfortunately, we learned of 53 life members who had joined the ranks of Silent Keys and 3 more who were suffering from Alzheimer's Disease. As a positive, we received hundreds of address and call sign updates that we were looking for. In the following paragraphs, you'll read the questions asked and the response. The numbers don't necessarily add correctly because some responders didn't answer all questions.

Question #1 asked the name, call and member number of the responder. Any one would have identified the sender to be checked off the roster. Over 130 flunked this question ...no name, call or member number anywhere! About 15 were traced to the sender through a comment on the form or possibly a return address sticker on the envelope. To their credit, many members simply taped their QCWA mailing label to the response form (wish I'd thought to ask everyone to do that) and a few included their QSLs. For those of you who have long since forgotten your QCWA number, check your mailing label.

The next question asked for address and call sign corrections. Any received were relayed back to Headquarters via e-mail for database entry. We also asked about the physical condition and "timeliness" of arrival of



the Journal. While postal regulations require periodicals going outside the U.S. to be sent first class and in an envelope, we wondered if a mailing envelope might be necessary for all mailings. Fortunately, mailing damage appears to be minimal and sporadic. "Timeliness" turned out to be a moot question. The Fall and Winter editions were very late due to start-up problems with our new editor. There was no major production delay with the Spring edition so it appears that previous problems have been solved.

Next, we asked for opinions on the Journal content. Apparently we're doing something right since 1719 were generally happy as is. 38 responded negatively and 51 had no opinion. Some like the chapter reports, others thought them a waste of space. Some wanted more articles "on the good old days of amateur radio" and others, more technical articles. We also asked if there was willingness to write an article and many responded positively. The desired content and length of those member articles will be up to the Board of Directors and more information will be provided in a future Journal. In the meantime, if you're looking for technical articles, try QST, CQ, 73, Communications Quarterly or RSGB publications for starters. The fifth question simply asked if the member would like to take advantage of the tapes for the blind. No controversy here and 34 new names were added to the program. Please note that ANYONE who has a vision problem and would like to take advantage of this program should contact Blanche Randles, W4GXZ. One of the responses that could not be member identified answered, "Please send tapes!" It was posted in Canada, so if any of our Canadian members can identify this blind life member, please notify Headquarters and/or W4GXZ.

Months ago, the QCWA Board of Directors took the position that knowledge of Morse Code should continue to be part of amateur licensing. Question 6 simply asked if the member supported the Board's position on morse code and the approval rating was 1770 to 152 with only 53 registering no opinion. It's obvious that, as a group, life members want some type of code requirement. The response to lowering the speeds (Question 7 ...relating to U.S. licensing requirements only) was a bit different and the split was 921 for keeping things as they are, 722 for lowering the speed requirements and 211 with no opinion either way.

Question 8 asked if the member would consider running for "national" office. I was in trouble with this one right from the start and I apologize to our "international" members around the world for my parochial use of "national"! Just "QCWA Office" might have been a better choice of words. I've been told that it's often difficult to find persons willing to run for a QCWA office so the responses to this question will now provide a database of possible candidates. While it's too late for this year, there will be elections in 2000 and those who indicated a willingness to serve will be contacted by the Nominating Committee. Many organizations exist only because of

volunteers who are willing to give of their time and money to keep things running and QCWA is no exception. Being "a member of the idle rich" is definitely NOT a requirement.

Shortly after becoming QCWA Treasurer, I was asked if I considered it fair to require the same life member fee for a 35 vs a 75 year-old. This prompted the next survey question regarding a sliding scale where the younger member pays a somewhat higher life fee and the more senior pays less. This method is used by several other organizations I belong to and compensates for added longevity. Again, the survey results were split ...795 for, 675 against and 355 who don't care one way or the other (as the saying goes, "Pull up the ladder, I've got mine"). Some opined that the younger should pay more because, "us old guys are on fixed incomes". Other "seniors" thought the older member should pay more because, "the younger folks are busy raising families and need the money." Obviously one's own financial condition had something to do with the response! If the idea of a "sliding scale" life member fee goes anywhere, be assured that it will be worked out actuarially and be fair to both ends of the age spectrum. To those of you who offered ideas and methods, thank you. They will all be considered in any possible future action.

And the final question .... "Did you attend the convention in Kansas City and if not, why not." This was simply an attempt to get information which might help us improve convention attendance in the future. Most who didn't attend had health or work conflicts. No way we can get around those. Others objected to the costs ....understandable. My travel agent tells me that \$135 a day for a room and meals could be considered about minimum in the U.S. Obviously the cost of transportation is a big factor. For those of you who haven't already done so, look into the senior coupon books offered by most of the major airlines (at least in the U.S.). Also, if you book far enough in advance, some world-wide bargain rates can be found. ASK A TRAVEL AGENT. It costs the customer nothing since fees are paid by the airline or transportation/hotel companies. Now would be a good time to plan for the next QCWA convention in October 1998.

So that's it...the basic survey is essentially done. Since the survey was made known in the Spring edition of the Journal, Headquarters has received feedback that several life members never received the mailing. If you are one of those, it's still important for you to make contact and as a minimum, confirm your address and current amateur call. Any method will do ...e-mail, regular mail, a phone call, FAX, an NTS message via amateur radio or even a phone patch if third party traffic is permitted. We are communicators, after all. The necessary phone numbers and addresses are in the first few pages of every QCWA Journal, so let's see if we can get a response from ALL life members and bring this survey to a successful conclusion.



# Introduction to Single Sideband

By Bob Hafstrom W6KNK

**B**efore World War II, I had a Class A license and an amplitude modulated transmitter. This was not unusual on the HF phone bands. Today, about the only place one can find AM modulation is on the Broadcast band. Single sideband equipment and compact linear amplifiers have become the norm on the HF bands. The 9 dB advantage over the prewar equipment had a lot to do with the transition.

Single sideband wasn't invented during the war, it existed in the very successful installations for overseas telephony, radio teletype and telex. The Bell Systems Long Lines Division had single sideband equipment that was developed by the Bell Telephone Laboratories and manufactured by Western Electric. The equipment was designed to operate over a frequency range from 4,500 to 22,000 KHz. During the war the Army and the Navy initiated upgrades using the Bell Systems equipment essentially without modifications.

Installation of an unfamiliar system brought the need for training the site personnel how to service and operate the equipment. Courses had to be given initially by the Bell people to Army and Navy people who would in turn train the servicemen at the various installations. The Electronic Field Service Group at the Naval Research Laboratory was formed in 1944 for the purpose of providing the teaching and difficult repair services on call throughout the Navy. I joined the EFSG at its inception after completing the development of a radar and some other classified assignments. My background included three years at General Electric and two years as an instructor in the Electrical Engineering Dept. at Iowa State College. When the Navy signed the contract with the Bell System for the Single sideband replacements in the Navy point to point installations, our group got into the act. Our group included commissioned officers, enlisted men and civilian electrical engineers and was formed to provide both the teaching function and service teams for the new single side band installations. It was off to school for all of us in the group. The sub-group that we would be assigned to wouldn't be known until the course was over. The possibility of not staying the whole course also existed.

The course given by the people in the Bell System Long Lines Division was going to be held in four locations. The first one was in Philadelphia, PA where they would teach the fundamentals of radio teletype. It would then be on to New York to study the control center where telephone and teletype customer lines would be routed to the transmitter and lines from the receiver routed to the domestic long lines. The transmitter location in Lawrenceville, NJ would be the next location. Finally the course would move to Netcong, NJ to study the receiver. The whole course would take two or three months.

Our first assignment was a course on electrical fundamentals, teletype and telex equipment given in the old Bourse building in downtown Philadelphia by Long Line Division instructors. The Philadelphia time also gave the members of the group a chance to get acquainted with AT&T and each other. Our group was a mixture of officers who had technical training in civilian life, non-commissioned officers who had a lot of on hand experience and a few civilian electrical engineers.

My wife came along for the first two locations, Philadelphia and New York so we went room hunting. We were just about ready to give up when we arrived in Upper Darby when we decided to ask a gentleman working in his front yard for help. It seemed that his wife had a room that she could rent, so our problem was solved. The Magills were very nice people so our visit to Philadelphia was a good adventure. I commuted to the Bourse in downtown Philadelphia on the subway.

Mrs. Mary Magill had a good friend that lived out in the Queens in New York. When it came time to leave Philadelphia for New York, she made room arrangements for us at her friends house. When we went to New York we took Mrs. Magill up with us to visit her friend Mabel Maresca and introduce us to our new home away from home. We kept in touch with our new friends over the years. After the war Mabel's eldest son, Tom wanted to go to engineering school. I was an Assistant Professor of Electrical Engineering at the University of Wisconsin in Madison. It was easy to enroll Tom in summer school and this was especially important if one is from out of state. Tom took two subjects and made an A in each one. He continued on in September and graduated four years later. He had a very successful career and ended with a staff position at a General Electric plant.

After Philadelphia our group transferred to the operations center on lower Broadway in New York City. Here, lines carrying teletype and audio destined to overseas were sent on long distance lines to Lawrenceville, NJ for transmission. The outputs of the receivers at Netcong, NJ were received over other long distance lines. The terminal was quite impressive, built into a multitude of relay racks. The remote transmitters and receivers could handle several standard 3000 Hz telephone channels in the two sidebands. Or less when one or more were high fidelity 6000 Hz lines. Teletype channels were narrow enough to accommodate a dozen of them on a sideband. The hands on experience was provided by the instructor slyly planting bits of paper under relay contacts and sending us to trouble shoot the problem. We spent several weeks in New York and became quite good at finding the tampered relays and other problems that were introduced. We were ready to take on the transmitter near Lawrenceville, NJ. The phone company did everything



by the book, the Bell System Practices. I developed a high regard for our instructors, they were personable and really knew their equipment. Turning around later and teaching what they taught us would be a challenge.

There was a spare transmitter at the transmitting facility in Lawrenceville for us to get our hands on experience. Because there was a war on, the Berlin circuit was not being used. The "D-156000 Transmitter consisted of a three bay relay rack cabinet equipped with a lock on the rear door handle. Things got off to a bad start when the instructor asked one of our men to open the transmitter access door. The wrong man was selected because he picked too strong a man. Our man took the direct approach by walking up to the transmitter and simply turning the handle which in turn spilled the tumblers when the door opened. This was the first time the interlock system wasn't used. He was supposed to go over to the power switch on the wall, turn the switch to "off" release a key that could open the transmitter door. It was a dramatic way of teaching us the interlock system. Our warrant officer who had hands the size of a ham gained the nickname "Babyfingers".

The transmitter had two different sidebands. The upper sideband carried different information than the lower sideband. It was referred to as a "twin channel single sideband transmitter". The transmitter had five amplifier stages. The fifth stage consisted of two Western Electric 279A tubes. The peak to peak power was about 2 KW. There was a feed line output to a larger amplifier as well as the output line to the antenna. A reduced carrier was transmitted.

Asynchronous antennas were provided for each of the transmitters. They had quite an antenna farm. The Rhombic works well for all frequencies but only in the one direction with about a 15db gain. Since there were several transmitters, there were several Rhombics. The Navy had the rhombic antennas already so our prospective students would not have to cover the antennas.

The receivers were located at Netcong, N.J. There was a spare Western Electric D-99945 receiver available for our examination. It was supplied in a three bay cabinet almost as impressive as the transmitter in Lawrenceville. The antenna farm was impressive with separate antennas for the several receivers. We spent several weeks at the Netcong facility.

When we finished the course and went back to Washington, Lt. Comdr. Louis Paul Wimberley and I were assigned the task of preparing the lesson plans. This was no simple job. We had to teach all the technical details of the circuits that we learned about without having equipment to show the student. We had a lot of pictures to show them and whet their anticipation. There were quite a few points in the Navy point to point communication system. Some were located pretty far out when we started to teach the course in 1945. When the teaching did start in 1945, The two of us were among those that headed out to do the job. I would be assigned to stations not in the war zone. Oahu would qualify in my case but out of bounds for wives. Being a civilian, the Navy felt that I would be safe enough. A lot of last minute fine tuning went on the course material and make arrangements for

leaving our apartment and get my wife off to visit the relations.

We were convinced that somehow sometime the amateur bands could have a single side band transmitter and receiver in each shack when the war was over. But the task in hand came first and that was to get prepared for giving the course lectures. Our group visited some of the Navy radio sites near Washington to become acquainted with Navy radio in general. NSS, Annapolis was one of the largest transmitting stations in the Navy, 500,000 watts at a frequency almost in the audio range. What impressed me is to find that each of the larger amplifier stages had its own room. The biggest thrill was to look into the Helix house which was several stories high. The towers as I remember were 600 feet high. Later in the teaching phase, I ran into another low frequency transmitter that in its way was almost as impressive as the giant at Annapolis.

I had an occasion to go out to NAA in Arlington to test a facsimile unit. NAA was a little hard to locate and when I found it, it was an heirloom, probably decommissioned by now. However, the CPO as I recall raised rabbits. I brought dressed rabbits home to my bride quite a few times after that visit. . . . In April 1945 I received my orders. I had a new suit that identified me as a US Technician. My assignment was Oahu, Hawaii. I remember the American Airlines DC3 NINE stop flight to San Francisco. Especially, the part where we flew through the Sierras. In San Francisco, I was put up in a hotel and told to call in each day to see if I was on the list for a flight to Oahu. As I remember three events occurred. On April 12th 1945. (1) I was on my way to the Hawaii on a military version of the DC4. (2) President Roosevelt died (3) A tornado touched down in the part of town where my wife was visiting her mother. Everything turned out well, I arrived in Oahu, Harry Truman was promoted and the tornado missed my mother-law's house.

The radio receiving station was in the center of Oahu. There were pineapples growing under the antennas. Having had no pineapple since the war started, I gorged on a nice ripe one. At supper that evening I had trouble getting down the pineapple being served. My quarters were in one of the houses reserved for married officers. All the wives had been sent back to the continental USA. Being a civilian in a uniform that looked a little bit like a commissioned officer but definitely lacking any scrambled eggs was a little hard on the marines at the gate. They weren't quite sure if they should salute or not.

Out in the islands we worked seven days a week. My lectures only took up part of the day and the Navy assigned a petty officer and a warrant officer to help me grade papers and keep order. My students were well behaved and generally interested in the lectures. There was no equipment for the students to work with. I was truly enthusiastic about single sideband, so that might have helped. I really enjoyed getting back to the blackboard again. It was not all work, my R&R was solved almost on my arrival by a warrant officer who found that I had all kinds of gas ration coupons that I had left over when I left Washington. He had the Jeep. There was a nice beach



We went around the island once and discovered Don the Beachcombers bar, The Royal Hawaiian and Mauna hotels. The hotels were used for Navy R&R.

About six weeks later, I had given all my lectures. Some of the students got more out of my lectures than others. It was time to go on to another facility. The course would now be repeated at Kaneohe. The only house available was up Haiku valley which is next to the Pali. Haiku valley had four 7000 foot long antennas strung across it with 1200 foot feeders going down to the 200,000 watt low frequency transmitter and the 50,000 watt Alexanderson alternator. The alternator was moved from the RCA facility at Rocky Point Long Island, NY to Oahu. I was interested in the alternator which was built in the early twenties when Dr. Alexanderson was loaned to RCA by GE. I worked in Dr. Alexanderson's laboratory for several months when I was on the General Electric Test Course. He had us all come up to his Lake George cottage for a laboratory party one Sunday.

There were cable buckets that went up to the mountain tops in case the antennas needed servicing. The mountains in Oahu looked razor sharp. I found that they not only looked that way but were. There was just enough room for a path! Even though there was a counterpoise wire network above our heads in the valley, there was an electric field almost everywhere we walked under the four long antennas. Kaneohe's water was collected from the Haiku valley. It was not unusual to have six or seven showers a day.

Repeating the same course one more time at the Navy transmitter facility on the other side of the island meant the end of my overseas adventure. Later, I was sent out to Mare Island and Skaggs Island on San Francisco Bay to give the course two more times. When the war was over, most of the students I had went back to civilian life. I never followed up on what happened after we disbanded. I spent a couple of years with the CAA. Vic Clark sat across from me at 14th and K. My call at that time was W4KNK. I was on the air with an antenna running through the attics (mine and two neighbors) at Park Fairfax in Alexandria. I wasn't on single side band. Years later I upgraded W6KNK by going SSB with a Swan 500 and a BTI LK-2000. (2 KW peak to peak).

### The New RTTY Journal debuts:

A little more than a year after the demise of Digital Journal (formerly RTTY Journal), Bill Henry, K9GWT, has debuted The New RTTY Journal. Henry, the president of HAL Communications Corp, purchased the assets of the failed publication from Dale Sinner, W6IWO, who published the magazine from 1986 until 1994 and to whom ownership had reverted when the International Digital Radio Association (IDRA) ceased publishing it last year. Until the January 1997 issue, the publication had published continuously for 45 years. Henry says he'll try for a "leaner" magazine, and has suggested a quarterly publication for starters. He called the short issue, Vol 46, No 1, as "the first step in the recovery" of the magazine and expressed hopes to begin regular printing this summer. The introductory price for an annual subscription (four issues) will be \$12.00 in the US, Canada, and Mexico and \$17 elsewhere. After June 1, the

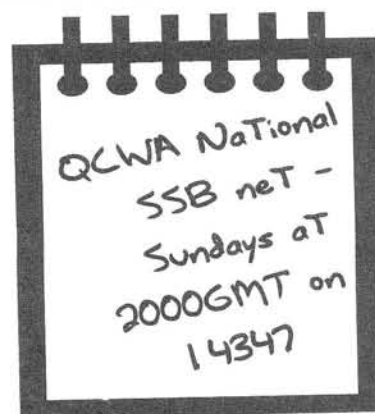


## A Ham who Keeps in Touch

The article on the facing page (39) appeared in the February 7, 1980 issue of *The Leader* of Manasquan, New Jersey. It's about Sam Yatter W2ENW who kept in touch with his relatives who emigrated from Latvia to various countries throughout the world. While doing it, he made friends throughout the world and picked up a commendation from the commanding officer of the SS Randolph (CVS-15) for his phone-patching activities during the Vietnam war.



*Sam Yatter W2ENW in his impressive station located in the artistic apartment over the fashionable Paperth clothing store in Manasquan, New Jersey.*

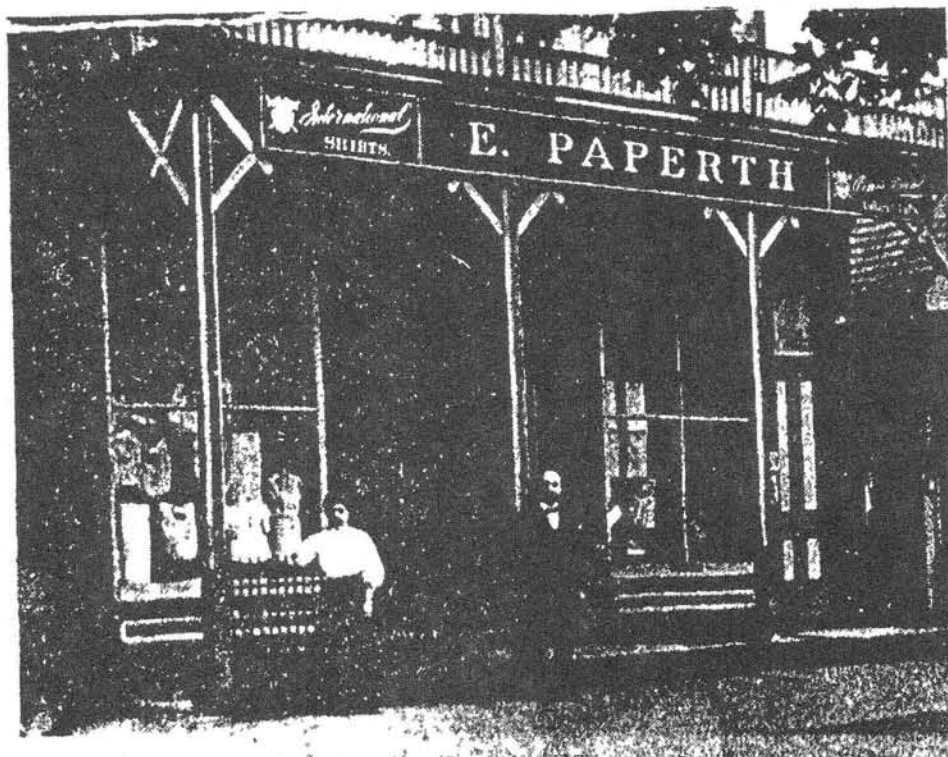


price goes to \$15 for US and \$20 elsewhere. All issues will be sent air mail. Henry says he plans to put out 16-page issues in February, June, August, and November. For more information, contact Bill Henry at HAL Communications Corp, 1201 W Kenyon Rd, Urbana, IL 61801; tel 217-367-7373; e-mail ghenry@halcomm.com; <http://www.halcomm.com>.

# Family friendship through radio

Joan Morris

THE LEADER  
2-7-80



**BUSINESS AS USUAL** — This shop in Manasquan was founded by Ellis Paperth in the late 19th Century. His daughter Sally now operates it as a fashionable dress shop. She and her husband keep in touch with Paperth cousins all over the world by ham radio operated from the premises.

"It's a small, small world", said Sally Paperth Yatter in the fashionable Manasquan clothing store bearing her name. Sally didn't mean that her world went no farther than 113 Main St., Manasquan, where she was born, raised and worked all her life. What she really meant is, "It's a wide, wide world", for over 100 years ago her father Ellis and his sisters left Riga, Latvia, for various parts of the world. Some went to South America, one to southern Africa and her father came here. Now through an amazing story of reaching out through amateur radio,

Sally and her husband Sam have met hundreds of the Paperth descendants all over the globe.

It seems that while Sally was busy assisting her father in the General Store in Manasquan and later with her own shop which she

## Seeking a Balance

tailored down from pots and pans and fishing boots to top name fashions, husband Sam built himself a ham radio receiver and transmitter which he oper-

ates in their artistic apartment overhead.

"I studied hard," he reminisces, "learned all there was to know in the field, then took a tough FCC exam to get my license. Today," Sam continues, "you go out and buy it all ready made and take a much easier exam to be licensed. That's why the airways are crowded today."

Sam began talking to people and making friends in such far away places as South Africa and Brazil. Soon he was dealing with specifics of the whereabouts of his wife's relatives; and to make a long

story short, Sam and Sally now know dozens of cousins in South America alone. There, like everywhere, the Paperths made good. In Brazil the cousins have a paper mill, and one became a well-known modern architect giving inspiration to Frank Lloyd Wright.

From a South African ham operator friend, Sam found that cousin Paperth's descendant is a prosperous business man with deep patriotic roots in Rhodesia where he was born. The kinsman is to Rhodesia what our colonial fathers were here. Sally and Sam talk to him frequently by radio and "phone patch" as they call it.

Sam's radio has done its share for Uncle Sam too. During the Vietnam war, Sam contacted men on active duty; and by phone patching, they could talk to their homes in the United States. He spent several hours each morning talking with men on the SS Randolph, a carrier in the Pacific and even has a letter of commendation and thanks from the commanding officer.

So from a small town on the Jersey shore, where Ellis Paperth settled first with his backpack peddling from town to town and then with his horse and wagon and later with his store, Sally and Sam have reached out and touched the world. They certainly have found a balance from what could have been a small town life, for Sally's shop brings people from far and wide and Sam's voice radiates around the globe.

# Kachina 505DSP—the Knobless Wonder

Harry Snyder-W7HC, Carefree, AZ.

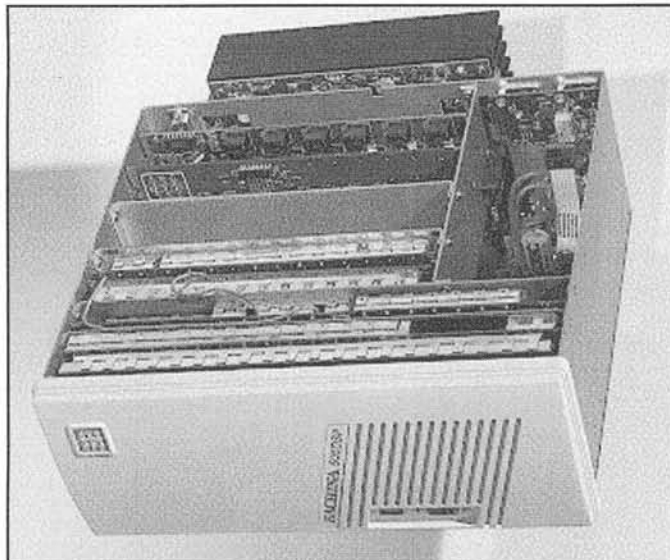
**K**achina? No, it has nothing to do with the great country of China. To the Hopi Indians, a Kachina is a beneficent Spirit, sometimes impersonated by a male masked Dancer or small dolls carved from the roots of cottonwood trees.

The Kachina plant is located within view of Indian country in Cottonwood Arizona, the land of the Hopi Kachinas. The Hopi Kachinas represent communication with spirits and the Kachina 505DSP is for communicating with the living. Whether it will reach the spirit world remains to be seen.



Mr. Lester Earnshaw, originally a native of New Zealand, arrived in the U.S. in 1961 and founded the company in 1975 to build commercial equipment for military and commercial users throughout the world. Prior to founding Kachina Communications, Les was involved in design work for Gonset, Hallicrafters, Hammarlund, Stoner, Radio Industries (makers of the Loudenboomer amps), and Atlas where he did the design of the widely used Atlas 180. Les also founded Southcom International, a California firm building military communications equipment. His extensive background shows up in the 505DSP radios arriving in the ham radio market. I have had the pleasure of spending some time at the plant with both Les and his son Cameron KB7FA, President of the company. Machine's Sales Manager is Aubrey Stewart-W6ODG, and the chief engineer is Doug Smith, KF6DX. Doug has written several papers for the ARRL's QEX involving much of the digital work used in the 505.

Having spent well over 50 years in radio, commercially, as owner of several AM-FM stations and as an engineer for others, and in ham radio - I feel qualified to comment on a rig. This radio is the 1998 edition of Art Collins' KWM1 of some 40 years ago. The KWM1 put the whole station in one small box that really worked. Today's Kachinas use the same small box but with a twist - no knobs and volumes of features unheard of before in a one box set. I have used Collins, Signal One, and several



*DSP505 with cover removed*

commercial sets over the years that I thought hard to equal, let alone beat, but this Indian does just that; the DSP in the receiver is second to none. It has low noise and a super hot front end. The AGC can handle W7ES, across the street with full power. No other set I have ever used will do this; the Collins KWM 380 came close but no cigar. The transmitter, using phase generation, produces outstanding audio and AM operation with 6kHz filters sounds like good plate modulation.

There are a number of CW features - keyers (left or right hand), storage for CQ's etc., variable weight (hard or soft keying) and another one of the digital filters down to 100 Hz.

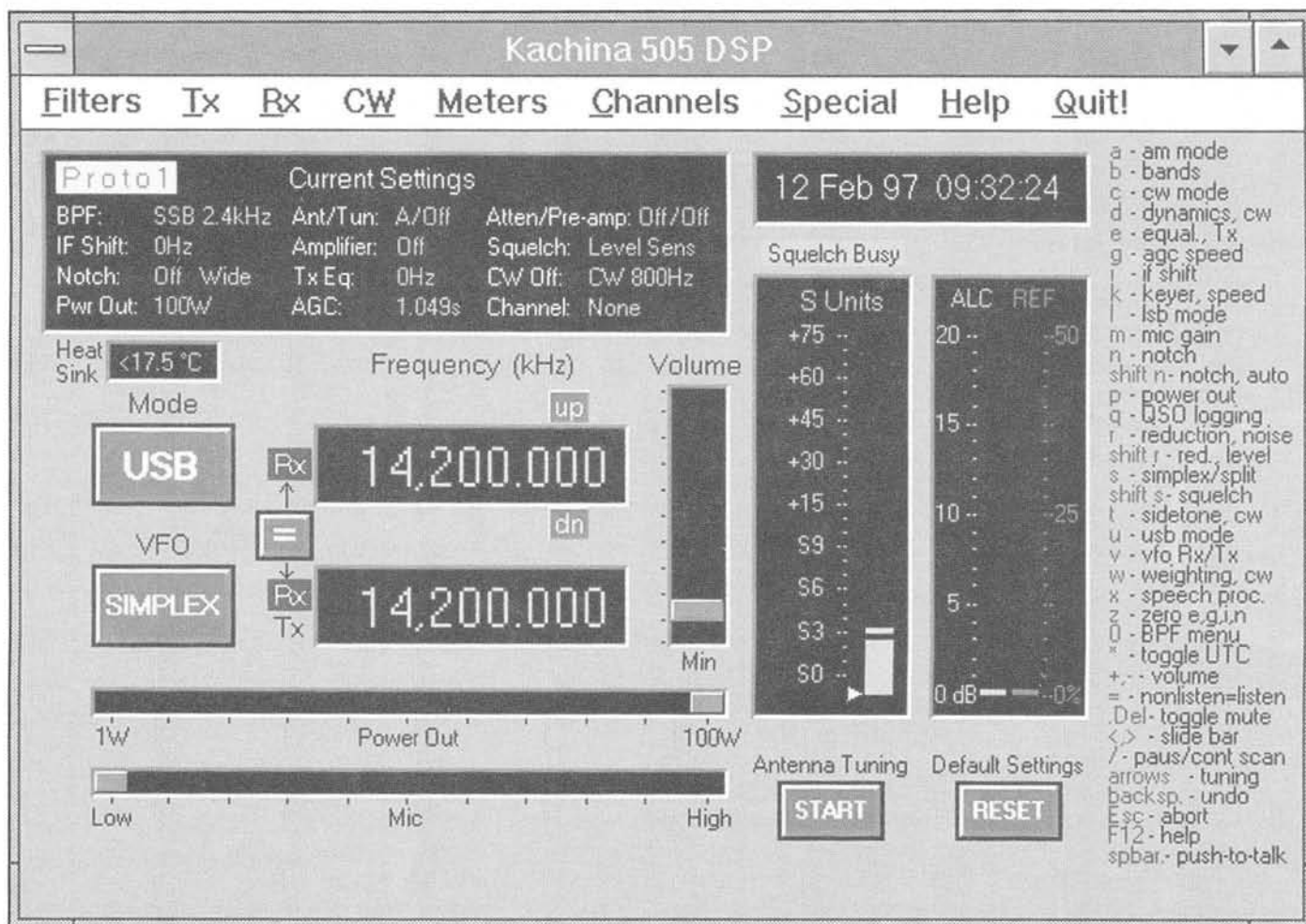
Calibration is a mouse click away. The 505 tunes in WWV, checks the radio then sez ok and you're dead on.

All filters are digital - no skirts. One has to hear this one. If you want to check out the band, there's a panadapter at the touch of the mouse. If you see a strong signal or a dead spot, another touch of the mouse and you are there. If you would like to look at the SWR curve of the sky-wire, a click of the mouse brings up a Smith Chart and the radio will plot the curve for you.

The Kachina includes a logging program and many, many more great things. The software up-dates are available on Internet or a new floppy; firmware is plug in too.

One other thing - don't worry about the computer; nobody is worse than me on a computer. It only took me about 40 minutes to learn all of the features. It is very user friendly.





Screen shot of computer control screen interface for the Kachina 505DSP Transceiver

Take a look in the May QST for a technical write-up. Try one - you'll like it!! Kachina Communications, Box 1949, Cottonwood, AZ, 86326 Telephone: 520-634-7828. Yea, they have a web site and some of those funny addresses. For those who know how to use them—just ask them.

**Editors note.** The Kachina 505DSP is a transceiver about the size of a Kenwood TS-450 that is controlled by a Windows computer, with Kachina control head that fits the regular drive bay on the computer. The only physical control is a power switch on the control head. All other controls are through the on-screen interface and mouse.

**The Journal Editor would like to thank Kachina Communications for granting permission to use the photographs used in this article.**

The Kachina Communications web site is:  
<http://www.kachina-az.com>



Gerald Higgins W7ES, with his new Kachina DSP505. Gerald is also a collector and restorer of older equipment and lives across the street from Harry Snyder W7HC. Along with Harry, the author of the article and pictured on the cover, their greatest interest is amateur radio.

# Silent Keys

**with sadness we record the passing of these members**

NAME	CALL	CITY	STATE	MEMNUM	L
CHASE, GLADYS	W1VPF	WEST SUFFIELD	CT	13458	*
RAYNER, RICHARD L	K9AYW	ARLINGTON HEIGHTS	IL	18174	*
WRIGHT, WALT W	K8TIY	COLDWATER	MI	02784	*
WENDT, HAROLD A	W9BXM	MINOCQUA	WI	09913	*
TESAR, ROBERT C	W0RTH	NEW FAIRFIELD	CT	08215	*
BAIRD, MERTON N	W9GZV	SHIPPENSBURG	PA	07164	*
HOWE, CHARLIE	W1BQL	KENNEBUNK	ME	11452	*
CASEY, EDMUND C	W8DWJ	CINCINNATI	OH	12916	*
CHRISTIAN, ADRENE D	W4WJX	MOODY	AL	15649	*
EPLER, E E	W6OUQ	LA MESA	CA	04330	*
MARYATT, BRADLEY	W0RLQ	GAYVILLE	SD	04669	*
STRASSMAIER, ALFRED R	K7QKD	KIRKLAND	WA	23653	
VAN ALSTINE, CHAUNCEY	W2IWI	COBLESKILL	NY	18097	
SASS, ROBERT F	W9VQP	PORTAGE	IN	08304	*
BORUCHIN, DANIEL DENNIS	K0BTO	THORNTON	CO	18789	
HUGHES, BARNELL T	N5HVO	BATON ROUGE	LA	19817	
CAMPBELL, JAMES F	W8DGD	ROCKFORD	MI	05460	*
EKBLAD, ALEX	W2HI	TEQUESTA	FL	03023	
STAFFORD, LENFORD A	W6WPN	SAN DIEGO	CA	09342	
HOLLAND, MOZELLE M	K4VVA	SILER CITY	NC	17329	
SMITH, ALLEN L	W4IPP	LEXINGTON	NC	10638	
PARTEE, PHILIP Q	W4ABI	VERO BEACH	FL	06564	
HOOVER, ROBERT R	K7KLT	SPARKS	NV	26790	
JOHNSON, OLOF W H	W1JY	BRISTOL	NH	06714	
KEHLEY JOHN TEX	W5ICW	ZEPHYR	TX	14291	*
BIELSKI, VIVIAN M	WB6HVC	LOS GATOS	CA	12990	*
NORMAN, CARLYLE R	K6QW	NOVATO	CA	19278	
COLVIN, IRIS	W6QL	RICHMOND	CA	06964	*
BAER, MAURICE T	W0ME	SALINA	KS	06490	
KRESKY, ROBERT T JR	WA0YML	SALINA	KS	26397	
HASH, CHARLES W	W7BYB	MC MINNVILLE	OR	09400	*
BAUER, MAX G	W8ALI	SCOTTSDALE	AZ	06258	
EDBERG, ERIC B	W6DU	LOS ALTOS	CA	03290	*
WYMAN, JOHN	K4HXZ	CEDAR MOUNTAIN	NC	03484	
WILLIS, MAXINE E	W6UHA	GRANTS PASS	OR	05124	
GREENBERG, HERBERT	W4LJN	N MIAMI	FL	15889	*
GIVEN, ESTHER	W6BDE	SEBASTOPOL	CA	07434	*
FERREL, JOHN W	W0YDV	OMAHA	NE	13866	*
MAHLKE, HAROLD J	W8QG	LANSING	MI	05133	*
SNYDER, JOSEPH E	W2ZBO	HOLMES BEACH	FL	09555	*
PARKER, ROBERT L	W1CUY	PLYMOUTH	MA	21301	
MYRICK, LESTER T	W1PKV	COCOA BEACH	FL	13063	
MYRICK, ONETA	K1HCB	COCOA BEACH	FL	17122	
MC CORMICK, THOMAS A	W5UOH	BATON ROUGE	LA	21616	
KURTH, R L	W5IRP	LUFKIN	TX	05636	*
BAKER, DEWEY H	W7ALH	NACHES	WA	02080	

NAME	CALL	CITY	STATE	MEMNUM	L
MARTIN, JOHN E	K5LUG	EL PASO	TX	15699	
WYATT, GRADY	WB4OCB	THOMSON	GA	26445	
EVANS, CURTIS WESLEY	WA5DBA	NEDERLAND	TX	23751	
MICHAELS, CHARLES J	W7XC	PHOENIX	AZ	22791	
KANE, WILLIAM T	WZ3P	CARLSBAD	CA	25027	
WOLFE, HUBERT V	W8LAX	TIPP CITY	OH	02013	
CROSSNO, E P	W5HT	DALLAS	TX	05729	
JENNINGS, ARTHUR L	W7EZJ	LACEY	WA	02446	
DEZINA, JOHN J	W8NNR	MAPLE HTS	OH	24042	
ESTEP, GERALD A	W6JAO	SAN DIEGO	CA	03150	
BAILEY, ORVILLE P	W7QPT	WARM SPRINGS	OR	12065	*
HARDER, HOWARD K	W8MOF	OCEANSIDE	CA	07212	
HARTMAN, H P	W3KY	PITTSBURGH	PA	17360	
HILL, EARL H	W4UFR	PENSACOLA	FL	11480	
FRY, CONRAD H	K3QMC	COLLEGEVILLE	PA	29072	
PENNINGTON, CECIL A	K4OJV	NEWPORT	NC	28825	
SANDBERG, BETTY E	W9STR	CHICAGO	IL	20213	*
SILVEIRA, JOSEPH A	WA1CSO	MIDDLETOWN	RI	23191	
HANRAHAN, GEORGE T	WA2HWG	UTICA	NY	18118	
WHITE, ROGER A	W5SKW	LAKE CHARLES	LA	07799	
RANDLE, JOHN R	KB2MMP	TIMMONSVILLE	SC	28361	

**Note:** In the Spring issue, Phillip W. Partee WA4MQX erroneously listed as a Silent Key. The Journal regrets the error.

We regret that due to some misinformation received at Headquarters we published Irvin Hershowitz, W3HQQ, as a SK in the last issue of the Journal. Please believe us, he is alive and well, and has a large number of friends. Jim Walsh, W7LVN

## Readers Write

Dear Gerry,

The story, "A QSL is More Than a Confirmation" by Timothy L. Bratton K5RA, in the Spring 1998 Journal reminded me of a letter to the editor I found in the June 1916 QST.

I printed it in the North Jersey DX Association Newsletter when I was editor a few years ago. I think our members will find it of interest. Jim Smith, VK9NS, of Norfolk Island is the recipient of thousands of QSL cards and he wanted to know how this business of QSLing got started.

The attachment is exactly as printed in the NJDXA Newsletter. Note that the "QSL" at the top of the editor comment was the heading of the letter in the magazine.

The editor's comment at the bottom of the 3TQ letter is the key that apparently started the practice of QSLing.

73 Bill (Hellman)QCWA #10540 w2ud@computer.net  
jymæ

### QSL, THE BEGINNING!

The following letter was published in the June 1916 edition of QST magazine. The editor comments were by the then editor of QST, who is not identified in the magazine, but is believed to be Hiram Percy Maxim. The letter appeared in an earlier edition of the NJDXA Newsletter and is published here in response to Jim Smith's (VK9NS) query in one of his stories, about how this QSL business started.

#### QSL

The Editor received a letter as follows from Mr. Edward C. Andrews of Philadelphia, Pa.:

I am enclosing a postal which I have received from Mr. W.T. Fraser of Buffalo, N.Y. (8VX) on which he states my signals

were heard in Buffalo clear and strong. This is a distance of over 400 miles and I naturally felt somewhat elated as it was accomplished with 14 Kw. Chambers open core transformer.

But aside from the fact that this is a fairly good record, I wish to commend the spirit of unselfishness that is quite evident in Mr. Fraser and others who send cards which tell of receiving the signals of a fellow amateur. While these cards of 8VX (Mr. Fraser) may have come to your attention before, I have never seen a notice about it in your magazine. When one goes to the trouble and expense of having a postal printed in order to inform those whose signals he hears, it seems to me that a long stride has been taken, toward aiding the perfection and inspiration to amateur work.

Until I received word from 8VX, I thought my maximum sending range was seventy-five miles. At Mauch Chunk and the Delaware Gap my signals were slightly stronger than NAI and quite similar to WHE.

I would urge upon the members of the A.R.R.L. and the readers of QST to notify by postal and by the very next mail the owner of the station whose signals they hear and to give such other information as they may think of aid or inspiration to the recipient.

Respectfully, (Sgd) Edward C. Andrews, 3TQ.

**EDITOR'S COMMENT:** The idea of notifying the amateurs is a fine one, and the Editor earnestly recommends that all of our readers adopt this plan. At small expense, a postal can be had and on it printed a short description of the receiving station and other data which bring the amateurs of our great organization in closer touch with each other.



## QCWA Welcomes New Members

<u>DATE</u>	<u>MEMNUM</u>	<u>NAME</u>	<u>CALL</u>	<u>CITY</u>	<u>STATE</u>	<u>SPONSOR</u>	<u>SCALL</u>
02/04/98	29230	CALLAWAY, EDGAR H JR	N4II	BOCA RATON	FL	EDGAR H CALLAWAY	SRN4EC
02/04/98	29231	MC MAHON, WILLIAM G	KA1Z	GUILFORD	CT	-	-
02/04/98	29232	VIARS, THEODORE	K2AQR	SPRING LAKE HTS	NJ	-	-
02/04/98	29233	WILEY, HORACE G JR	K5RDJ	CEDAR PARK	TX	-	-
02/05/98	29234	HARRELL, ROSS	N0ZA	GRAND JUNCTION	CO	-	-
02/05/98	29235	VORPAHL, ARTHUR C	WB6CWJ	BISMARCK	ND	DENNIS R MURPHY	K0GRM
02/06/98	29236	HONOVICH, JOE	AB5LB	ROUND ROCK	TX	HAL HENEGAR	W6MDL
02/10/98	29237	ANGELICI, LOUIS G	KC8JDM	RICHFIELD	OH	ROCKY ZIMMERMAN	W8UYN
02/10/98	29238	DEES, RICHARD L	AA7WG	MERIDIAN	ID	NEIL W ZIMMERMAN	W7MAF
02/10/98	29239	FORD, JAMES R	W5TNZ	TEMPE	TX	HAL HENEGAR	W5MDL
02/10/98	29240	BERKE, CRAIG R	WA7TRS	CAVE CREEK	AZ	B BILL BERKE	KD6UK
02/10/98	29241	BERKE, ROY A	WA7TRR	DIXON	CA	B BILL BERKE	KD6UK
02/10/98	29242	SILVERS, ARTHUR G	KK6OC	PLEASANTON	CA	-	-
02/10/98	29243	STRUM, ROBERT GENE	K4ICF	GREENVILLE	NC	-	-
02/12/98	29244	CORP, WILLIAM R	W2WC	MECHANICSVILLE	NY	-	-
02/12/98	29245	MC INNERNEY, BRIAN F	N0BM	WOODBURY	MN	LELAND SMITH JR	W4YE
02/13/98	29246	HARLOW, DANIEL DEAN	VE7GJ	GRAND FORKS	BC	RICHARD HARLOW	VE7BRH
02/13/98	29247	BENKE, DONALD L	WD8BSG	WEST MILTON	OH	-	-
02/13/98	29248	TESSITORE, DAVID	K1DT	PROVIDENCE	RI	JACK TITERINGTON	W1EOF
02/16/98	29249	ANDERSON, DONALD B	WB2GFO	WESTAMPTON	NJ	-	-
02/16/98	29250	CLAYTON, MUNROE C	WA2ICB	LIVERPOOL	NY	-	-
02/16/98	29251	COBURN, FREDERICK R	KE6FVX	NAPA	CA	-	-
02/16/98	29252	SABISTON, HILLAND B	KD4NZX	ASHEVILLE	NC	JOHN TRAVIS	W4QCF
02/17/98	29253	BURNHAM, CHARLES	K2GLP	SOUTHOLD	NY	MIAMI HAMFEST	-
02/17/98	29254	DAILING, JIM	WA4CSQ	PLANTATION	FL	MIAMI HAMFEST	-
02/17/98	29255	GRAVEL, JOSEPH R	W2JG	WALDWICK	NJ	MIAMI HAMFEST	-
02/17/98	29256	KNECHT, MARTY	AB4SZ	BOCA RATON	FL	MIAMI HAMFEST	-
02/17/98	29257	MC CULLOUGH, HERSCHEL P	W5HPM	DALLAS	TX	MIAMI HAMFEST	-
02/17/98	29258	RAU, NANDO NORA	OA4EI	MIAMI	FL	MIAMI HAMFEST	-
02/17/98	29259	AH SAM, HENRY	KH6QOM	KAPAAU	HI	DEAN A MANLEY	KH6B
02/17/98	29260	DEPERT, PAUL WILLIAM	WA9BNX	SAN ANTONIO	TX	LOUIS KOCUREK	W5VIV
02/17/98	29261	MINOWICZ, EDWARD S JR	KU4MO	MONETA	VA	LELAND W SMITH JR	W4YE
02/18/98	29262	HALLIDAY, JIM	NX2II	ENGLEWOOD	FL	C B TAYLOR	VE3CT
02/23/98	29263	ANTONIAC, ALLEN F	WB0JFZ	CASSELBERRY	FL	-	-
02/23/98	29264	GISSELER, WILLIAM A	W9YO	SCHAUMBURG	IL	-	-
02/23/98	29265	NOEL, GERTRUDE D	WB4YBH	SANFORD	FL	-	-
02/23/98	29266	NOEL, WILLIAM C	WB4YBG	SANFORD	FL	-	-
02/23/98	29267	LILLY, ROBERT SHERMAN	WA4BCU	BLOUNTVILLE	TN	W A OWEN	W4VS
02/23/98	29268	LYNCH, RICHARD H	W6DZI	SOUTH SAN GABRIEL	CA	ROBERT RICHARDSON	W6WHM
02/23/98	29269	PALMER, THOMAS A	KF8WVW	CHEBOYGAN	MI	THOMAS M SORRICK	W8IZS
02/24/98	29270	IZOD, CLINTON GORDON	VE7ALL	VANDERHOOF	BC	-	-
02/27/98	29271	BOWERS, HAYDEN	K4TAG	MOCKSVILLE	NC	HENRY ELWELL	N4UH
02/27/98	29272	LA PINTA, FRANK J	KF4TSR	POMPANO BEACH	FL	-	-
02/27/98	29273	ROWE, WAYNE M	N4FMS	OKEECHOBEE	FL	CROFT TAYLOR	VE3CT
02/27/98	29274	RUBY, PETER R	KC2AVM	GLENS FALLS	NY	-	-
03/02/98	29275	SMITH, DONALD M	WA5SXU	WEST MONROE	LA	MICKY COX	K5MC
03/02/98	29276	CARTIER, FRANK	W6FC	NORTH HAMPTON	NH	BILL DEWS	K6AWO
03/02/98	29277	CHRISMAN, ROGER PACKARD	WA7EUR	TIBURON	CA	-	-
03/03/98	29278	HOLOCH, RICHARD M	KY6R	LAFAYETTE	CA	-	-
03/03/98	29279	KISSELL, RICK	WB9GYT	MILWAUKEE	WI	JERRY THOMPSON	WA9SFH
03/05/98	29280	BLUME, KENNETH F JR	K2UPI	BRIDGEPORT	NY	EDWARD J GERSTEN	WB2MWW
03/05/98	29281	HARRIS, MARTIN W JR	WA4FOT	ETOWAH	NC	H C KNIEF	W2YTO
03/06/98	29282	BALLENTINE, GEORGE Y JR	K4AZU	VENICE	FL	-	-
03/06/98	29283	HASKELL, STERLING E	W1KIQ	DUNEDIN	FL	DON BICE	W4PCO
03/06/98	29284	KARICKHOFF, JOHN R	AA4JJ	FAIRFAX	VA	RAY C H JOHNSON	K5RJ
03/09/98	29285	FARR, CLARENCE W	W1WMK	MANCHESTER	NH	EDWARD PECAN	WB2RXG
03/09/98	29286	PUGLISI, CARL V	WA2LXG	OCALA	FL	BUD WILSON	KB3NR
03/09/98	29287	ZACH, JOHN	K2VOZ	SPRING BROOK	NY	ROBERT ROONEY	W2AET

03/09/98 29288	BRADLEY, JAMES D	K7JDB	KALAMA	WA	JAMES D BRADLEY JR	N7JB
03/09/98 29289	BRUCKER, ROBERT	W6LFO	MISSION VIEJO	CA	-	-
03/09/98 29290	GREENWELL, REX P	K0KP	DULUTH	MN	-	-
03/09/98 29291	JOHNSON, ROBERT J	K3RC	STONY RIDGE	OH	BERNARD FINE	WD8C
03/09/98 29292	RUBIO, MARIO F	N6XR	LONG BEACH	CA	-	-
03/10/98 29293	ROSE, DONALD	KC4Z	ASHEVILLE	NC	-	-
03/12/98 29294	WEAVER, RICAHARD M	KE7QZ	SEAL ROCK	OR	DON BULAU	WA7JEI
03/11/98 29295	GLISAN, DAVID DEAN	WB6JJR	FELTON	CA	-	-
03/11/98 29296	LANGIERI, ROGER	K4WIP	CLEARWATER	FL	-	-
03/11/98 29297	MUNCEY, THOMAS J	W7DIK	SPARKS	NV	ROBERT J DAVIS	K7IY
03/12/98 29298	MINSKY, BARRY J	W2BJ	SAVANNAH	GA	-	-
03/13/98 29299	GILBERTSON, KEITH	K0KG	DETROIT LAKES	MN	-	-
01/19/98 29300	TACKETT, WILLIAM JOE	KN4N	LAWRENCEVILLE	GA	JEAN GIESLER	W4TYU
01/19/98 29301	WOLF, E GLENN JR	AB5RQ	PINE BLUFF	AR	-	-
01/21/98 29302	FEBBRAIO, VINCENT	WB8NWQ	CINCINNATI	OH	ROCKY ZIMMERMAN	W8UYN
01/21/98 29303	HALE, ALBERT M	N7AL	BOISE	ID	NEIL ZIMMERMAN	W7MAF
01/21/98 29304	KOPP, HAROLD P	K2YZO	WILLAIMSVILLE	NY	ROBERT L ROONEY	W2AET
01/21/98 29305	LINDSEY, WILFORD D	K0EVZ	ROCHESTER	MN	-	-
01/21/98 29306	PEOPLES, WILLIAM M	KB7TCJ	PHOENIX	AZ	HAROLD L VAN DYKE	KD2PH
01/21/98 29307	SWINGLE, BETTY L	KB8CHR	CLEARWATER	FL	JAMES D CURRIE	K8YDP
01/22/98 29308	CARL, ROGER A	W6SXX	GARDNERVILLE	NY	WALTER STATTON	WA7KNK
01/22/98 29309	ITO, NOBORU	W6FIS	LAS VEGAS	NV	M HOSHIKO	W9CJW
01/23/98 29310	SANDERS, ROBERT D	W6JCV	SACRAMENTO	CA	-	-
01/23/98 29311	SHAW, MIKIE D	KD5CB	AUSTIN	TX	DUKE E CAMPBELL	K5GDH
01/26/98 29312	HEIGHT, GEORGE	WB2NEY	AVENEL	NJ	-	-
01/26/98 29313	WILSON, RICHARD I	W6GV	FRESNO	CA	JAMES WAKEFIELD	W6PSQ
01/27/98 29314	BOWERS, JON	W4BCT	BLUFF CITY	TN	W A OWEN	W4VS
01/27/98 29315	HAMILTON, JAMES C	WA8KDP	MAPLE RAPIDS	WI	DAN DAVIS	W8LUX
01/27/98 29316	MURRELL, FREDERICK JR	K7RDN	APACHE JUNCTION	AZ	GENE NAILON	K5DLE
01/27/98 29317	STATEN, H STANLEY	W3INK	GAITHERSBURG	MD	GREGORY M HAAS	W5ZNT
01/27/98 29318	THALL, ANDREW S	WS7J	LAREDO	TX	-	-
01/28/98 29319	SLUGOCKI, RONALD F	WB9PEA	PARK RIDGE	IL	-	-
01/30/98 29320	BERRY, GORDON M SR	W1ZLZ	SEYMOUR	IN	JOHN G CHARLTON	W9DIH
01/30/98 29321	DITTBRENNER, PAUL F	K2KYN	ST PETERSBURG	FL	J FREDERICK STROM	K9BSL
02/03/98 29322	LEGLER, STEPHEN A	W0PB	LAWRENCE	KS	-	-
02/03/98 29323	PLYLER, WILLIAM P	W4EH	ADVANCE	NC	W A OWEN	W4VS
02/03/98 29324	ROACH, BUFORD I	NG7E	EUGENE	OR	-	-
03/16/98 29325	BURNS, JERRY JR	K1GUP	CARMEL	ME	PHIL YOUNG	W1JTH
03/16/98 29326	PERRY, ROBERT W	W1WJD	GREENFIELD	IN	-	-
03/16/98 29327	STROSCHIN, STEVE	W9XF	OAK PARK	IL	-	-
03/16/98 29328	WARSALLA, PATRICK L	KB9NQD	GREAT LAKES	IL	FRANK WARSALLA	K8MFK
03/16/98 29329	FERGUSON, DAVID A	K5SXJ	MC LOUD	OK	GNE NAILON	K5DLE
03/16/98 29330	GRAY, PHILLIP A	W6KRL	SALINAS	CA	-	-
03/16/98 29331	MARGESON, DONALD R	W2SBA	BALDWINVILLE	NY	JAMES M MOZLEY	W2BCH
03/16/98 29332	WHITMIRE, JAMES C	K7TH	KELSO	WA	-	-
03/17/98 29333	KLEIN, JOHN	WA7VNS	KLAMATH FALLS	OR	CAROLYN BROOKS	AB7ET
03/17/98 29334	SMITH, JAMES A	VE6OX	PINE LAKE	AB	BRUCE COLLISON	VE6BAC
03/18/98 29335	MC COLLOM, FRANK L	N5FM	OKLAHOMA CITY	OK	GENE NAILON	K5DLE
03/18/98 29336	TOLEDO, VICENTE	KP4ADK	CAROLINA	PR	VICTOR M MADERA	KP4PQ
03/19/98 29337	MC CRACKEN, EDWARD O	WA7OYC	KLAMATH FALLS	OR	CAROLYN BROOKS	AB7ET
03/19/98 29338	THOMPSON, LEWIS A	W5IFQ	AUSTIN	TX	HAL HENEGAR	W5MDL
03/20/98 29339	CHESWORTH, TOM	W3IA	BOALSBURG	PA	-	-
03/20/98 29340	QUEEN, THOMAS W	K4BNP	ASHEVILLE	NC	-	-
03/20/98 29341	LAUTER, PHIL	WA5JTI	CONIFER	CO	-	-
03/23/98 29342	GOLDMAN, HANK	WA2OVG	RIVERDALE, BRONX	NY	-	-
03/23/98 29343	JENKINS, JAY P	AA9KH	HOMEWOOD	IL	-	-
03/23/98 29344	KIKER, JON D	W5YSA	PENSACOLA	FL	-	-
03/23/98 29345	NICHOLSON, JOHN	K7FD	SEAL ROCK	OR	-	-
03/23/98 29346	RICHMOND, DON	K3CTF	BATON ROUGE	LA	EL CHARLTON	W5MD
03/23/98 29347	TIMLICK, MALCOLM	VE4MG	MC CREARY	MB	-	-
03/23/98 29348	ALBERTSON, RANDALL R	K2ETA	RED HOOK	NY	-	-

## New Members

03/23/98 29349	BAKER, DONALD W	K0BDT	LEES SUMMIT	MO	NEAL A JOHNSON	N0BIQ
03/23/98 29350	D'ANGELO, LAURENCE N	AB6E	BREA	CA	BILL SNOW	W6UUG
03/23/98 29351	LISLE, JAMES L	WA4WQK	SMITHS	AL	-	-
03/23/98 29352	SHIMAMOTO, ROBERT M	KH6BMM	KURTUTOWN	HI	PAUL D LIEB	KH6HME
03/23/98 29353	TABER, ROD	WB5IHK	LA VALE	MO	HAL HENEGAR	W5MDL
03/23/98 29354	VALENZUELA, OSCAR G	K5TRA	CERRITOS	CA	GEORGE RIGGINS	WA6DZR
03/24/98 29355	HERRICK, RICHARD B	W8JYI	SUMMERFIELD	FL	-	-
03/24/98 29356	WILLIAMS, CURTIS R	W5DTR	BELLEVILLE	IL	-	-
03/24/98 29357	KOLB, JOSEPH C	W5JEB	MANGUM	OK	GENE NAILON	K5DLE
03/24/98 29358	MIKEL, KELEY G	KK5KU	FORT SMITH	AR	GENE NAILON	K5DLE
03/26/98 29359	HOLMBO, DAVID J	WA7M2M	DALLAS	OR	CARL SOMDAHL	W7LYM
03/26/98 29360	SMITH, WARREN O	KH6AQ	KAILUA	HI	-	-
03/26/98 29361	WRIGHT, BARRY K	KA7V	ONTARIO	OR	-	-
03/27/98 29362	ASCHER, LYNN F	WA3TKK	FRUITLAND	MD	TOM SMITH	W3LOV
03/27/98 29363	BOUTWELL, COLEN J JR	WA5RKR	LAKE CITY	FL	JOHN ZWASKA	W4WKQ
03/27/98 29364	CHANDLER, RAYMOND H	W4TWB	MOBILE	AL	JOHN ZWASKA	W4WKQ
03/27/98 29365	KERNEN, ROBERT H	W4MTD	FT WALTON BEACH	FL	JOHN ZWASKA	W4WKQ
03/27/98 29366	NORAGON, FRANK B	N7FN	PANAMA CITY	FL	JOHN ZWASKA	W4WKQ
03/27/98 29367	SMITH, RICHARD J	N4XOM	JOSEPHINE	AL	JOHN ZWASKA	W4WKQ
03/30/98 29368	LENGES, PETER J	KA9SWI	NINEVEH	IN	-	-
03/30/98 29369	POTTER, RUPERT	K0ODY	STURGIS	SD	FRANK SHAW	NUOF
03/30/98 29370	SMITH, DANA A	N7KUZ	NEWPORT	OR	DON BULAU	WA7JEI
03/31/98 29371	SMITH, SCOTT L	KA2WQZ	DANBURY	CT	FLORENCE A SMITH	KB2JKL
04/02/98 29372	BRYAN, STEPHEN	K5SLW	KENTWOOD	LA	-	-
04/02/98 29373	HOPKINS, JAMES F	K1GIR	MARLBORO	MA	-	-
04/02/98 29374	SMITH, RALPH W	W8HG	DELTA	OH	PAUL E LENTZ	K8PL
04/06/98 29375	CAMPBELL, DAVID E	N8BG	WATERVILLE	OH	BERNARD FINE	WD8C
04/06/98 29376	MC CARTHY, DENNIS J	AA0A	ST LOUIS	MO	ROGER H VOLK	K0G0B
04/06/98 29377	SKELTON, BILL	K5ZAI	CYPRESS	TX	BARNEY MOFFATT	W5CSZ
04/07/98 29378	MELTON, GEORGE S	WA4DJP	RIVERDALE	GA	-	-
04/09/98 29379	BANKS, CHARLES E	W6HYY	COARSEGOLD	CA	-	-
04/09/98 29380	BURCHETT, ROBERT L JR	WB6SLC	TORRANCE	CA	-	-
04/09/98 29381	DICKERSON, BENJAMIN F	NN2S	STARKE	FL	EDWARD SLIMAK	W4EAS
04/10/98 29382	BURGER, MICHAEL W	AH7R	HONOLULU	HI	PAUL D LIEB	KH6HME
04/10/98 29383	SIMON, NORMAN O	W8LXR	GENEVA	OH	RICHARD SCOTT	W8FDN
04/10/98 29384	SHANABROOK, CHARLES	KB7GM	SUN CITY CENTER	FL	LORRAINE WITKOWSKI	WA1EDR
04/10/98 29385	SMITH, DWIGHT P	N2FMC	CHAPPAQUA	NY	FLORENCE A SMITH	KB2JKC
04/13/98 29386	LISS, STUART	WA2PQE	EVERGREEN	CO	-	-
04/13/98 29387	SCHIELER, A TERRY	W0FM	ST LOUIS	MO	-	-
04/14/98 29388	MAERTENS, FREDERICK B H	KH6BI	KAILUA	HI	PAUL D LIEB	KH6HME
04/14/98 29389	NELSON, LYNN A	W0CQ	MINOT	ND	CHAPTER 102	W0DAK
04/14/98 29390	TRUMAN, ROBERT E	W1JXN	ONEIDA	NY	JAMES C CHASE	W2VGE
04/15/98 29391	JOBE, HENRY F	WB8FJD	LAS CRUCES	NM	TOM GLAZE	KC4SUS
04/16/98 29392	BROWN, GLENDAL	WB5GVZ	LAWTON	OK	GENE NAILON	K5DLE
04/16/98 29393	COTTER, WILLIAM B III	N4LG	NICHOLASVILLE	KY	-	-
04/16/98 29394	MC CANN, DENNIS I	W9UH	COLLINSVILLE	IL	M HOSHIKO	W9CJW
04/16/98 29395	RYBACKI, LARRY M	WA2ARA	N TONAWANDA	NY	ROBERT R ROONEY	W2AET



**IF YOU SPOT PROSPECTIVE QCWA MEMBERS - RECRUIT 'EM**



## Chapters on the Air

NO	NAME	DAY	TIME NC	FREQ	NO	NAME	DAY	TIME NC	FREQ
	SO CALIF CW	SUN	1100L W6WHM	3695	81	LONG ISLAND QCWA	SUN	1130L W2TLC	3917
	FLORIDA SSB	SAT	1300Z W4NWF	3955	85	ARK-LA-TEX	MON	2100L VARIES	146.67
	QCWA SSB	SUN	2000Z varies	14347	87	EVERGREEN	SUN	1500Z VARIES	3984
	FLORIDA SSB	WED	1500Z W4NWF	7274	89	PALMETTO R	SUN	1700L N4LS	3695
	NE REGIONAL	SUN	0845L W2AUF	3917	89	PALMETTO STATE	SAT	0900L W4DNR	3927
	QCWA CW	WED	2000E varies	7035	91	VIC CLARK	SUN	0900L W4QCW	146.79
1	CLEVELAND	WED	2000L KB8ZBH	146.88	92	NORTHERN LIGHTS	SUN	2000L KL7CDG	146.97
2	CHICAGO AREA	1TH	2130L W9MOL	147.15	94	ROADRUNNER	SUN	2000L WB5YYX	146.72
4	NORTHWEST	SUN	1200L KF7P	3952	95	EASTERN NEW YORK	SUN	1130L WB1M	3900
4	NORTHWEST	SUN	0800L W7PN	3565	96	GATEWAY	SAT	1600Z W4KGT	3933
4	NORTHWEST	SUN	1500L W7PN	3952	102	DAKOTA	SUN	0800L VARIES	3889
5	DELAWARE VALLEY	SUN	1000L W2EEQ	3917	104	TREASURE STATE	SAT	0830L W7OTJ	3936
6	PITTSBURGH	SUN	0830L N3GHI	147.03	105	MIDDLE TENNESSEE	THR	2000L WA4JJY	146.91
7	SOUTHERN CALIFORNIA	SUN	1000L W6ZRZ	147.36	106	GERMAN	TUE	1730Z VARIES	3555
7	SOUTHERN CALIFORNIA	SUN	0900L W6LPJ	3917	106	GERMAN	MON	1700Z VARIES	3669
8	UPPER MIDWEST	SAT	0800L W0KHG	3877	107	CENTRAL FLORIDA	SAT	0900L W4LHP	7243
9	SOUTHWEST OHIO	SUN	1330L W8DWT	3987	107	CENTRAL FLORIDA	THUR	1230L W4LHP	14245
10	MICHIGAN	SUN	0800L VARIES	3903	108	BEAVER STATE	WED	0800L VARIES	3909
11	NORTHERN CALIFORNIA	SUN	0930L WA6AFT	3907	109	BATON ROUGE	SUN	0830L VARIES	3905
11	NORTHERN CALIFORNIA	SAT	1000L W6AQR	146.85-	109	BATON ROUGE	SUN	2000L VARIES	146.79
12	SOUTHEAST FLORIDA	WED	2000L VARIES	146.76	110	KANSAS	SAT	0730L KA0RZO	3920
14	SAN DIEGO	WED	2000L K6QM	145.52	112	YANKEE	SUN	0830L K1JJJ	3902
16	ARIZONA	SUN	0630L W7ER	3890	114	NORTH TEXAS	SAT	0830L WA5BXH	3941.5
17	ALLENTOWN-BETHLEHEM	SUN	1200L VARIES	3990	120	QTR CTY WIRELESS WOMEN	TUE	1900Z K4KUU	14295
19	MISSOURI	WED	1930L KD0IR	147.15	122	LAKE ERIE TRI-STATE	SUN	0930L W3QPP	3915
20	BALTIMORE	MON	2100L W3EE	147.285	123	LEE DEFOREST	SAT	0730L VARIES	3940
21	CANTON OHIO	THU	1930L WA8DRT	146.79	126	PIEDMONT	SUN	0845L VARIES	3935
25	NEBRASKA	TUES	1900L W0HXL	146.94	128	PELICAN	SAT	1000L K9BSL	145.29
25	NEBRASKA	SAT	0830L VARIES	3982	128	PELICAN	MWF	1600L K9BSL	145.29
28	CENTRAL NEW YORK	SUN	1530U VARIES	3917	130	INLAND EMPIRE	WED	1930L W6HV	1.896MH
29	FINGER LAKES	SUN	1230L VARIES	3900	130	INLAND EMPIRE	SAT	0800L W6HV	3862
30	WEST VIRGINIA	SUN	1500L W8UQ	3865	130	INLAND EMPIRE	FRI	1600L W6HV	3862
31	READING, PA	MON	2100L VARIES	146.91	131	GULF COAST	TUE	0900L WF4V	28750
32	GATOR	SAT	0900L VARIES	145.29	134	PINE TREE	SUN	1430L VARIES	3942
33	GUNDERSON PENN-JERSEY	DLY	2000L W3APE	3982	135	MID-MICHIGAN	TUE	2000L VARIES	146.70
35	MIDCONTINENT	THU	2030L K0YML	146.97	138	CENTRAL NEW JERSEY	TUE	2200L VARIES	147.045
37	HARRISBURG	WED	2100L K3IUY	147.12	140	WYOMING	SAT	0800L W7MZV	3923
38	SAN ANTONIO	SUN	2030L W5HRF	28650	141	HI-PLAINS	SAT	0900L W5MVJ	3933
41	DALLAS	SUN	0715L varies	3835	142	NORTHWEST OHIO	WED	2000L W8FO	146.79
45	CITRUS	TUE	1930L W4PLA	147.195	143	NORTH COLORADO	SUN	0830L N0CG	145.115
46	FOUNDER'S	THU	2030L W2AUF	147.36	146	TWIN STATE	SUN	0830L WA1NBI	3898
46	FOUNDER'S	SUN	0930L W2AUF	3917	149	NUTMEG	SUN	1130L W1KHL	3923
48	TREASURE COAST	DLY	1700L K4QM	14.176	150	DEL-MAR-VA	SUN	0900L K3PFV	146.82
48	TREASURE COAST	DLY	0800L K4QM	7153	151	WILD ROSE	MON	1900L VARIES	3747
49	PEACH STATE	WED	2000L VARIES	145.41	152	ROYAL PALM	MWF	1300L W4LZV	7220
49	PEACH STATE	SAT	1400Z K4VN	3857	152	ROYAL PALM	T-TH	1300L K4FA	14178
51	TEX-LA GOLDEN TRIANGLE	MON	1830L W5HYD	146.70	154	LEO MEYERSON	THUR	1830L W9VKC	145.480
52	MISSISSIPPI GULF COAST	THUR	2000L W50XA	28.480	157	PONY EXPRESS	SUN	0830L W0GGP	3955
54	TYLER	SUN	0800L W5CNO	3835	160	UTAH	SAT	1100L VARIES	7272
54	TYLER	MON	1930L W5RRM	28.650	162	SOUTHEAST WISCONSIN	THUR	2100L VARIES	147.87
55	WISCONSIN	SUN	0830L VARIES	3985	164	BIG BEAR	SAT	1900L N6EFT	147.33
58	COLORADO	SUN	0930L VARIES	146.07	165	YORK COUNTY PENNA	WED	2100L W3AXC	146.97
58	COLORADO	SUN	0900L W9KRE	3905	166	COLONIAL	TUES	1000L W3TTW	147.21
62	SUWANNEE	SAT	0900L W4PFJ	3940	169	SACRAMENTO VALLEY	DAILY	0730L VARIES	3854
63	CENTRAL OKLAHOMA	THUR	1700L W5AS	145.41	170	CENTRAL WASHINGTON	WED	1900L VARIES	146.94
63	CENTRAL OKLAHOMA	SUN	0800L W5AS	3855	173	GOLDEN TRIANGLE	TUE	1900L W9JRY	147.255
64	EL PASO	SAT	0830L VARIES	3933	181	HUDSON VALLEY	SUN	0815L W20ZA	3917
65	NIAGARA FRONTIER	SUN	1330L W2QI	3900	181	HUDSON VALLEY	TUES	2030L WA2RRK	147.060
70	NATIONAL CAPITAL	THUR	2000L VE3QCW	147.03	182	NORTHEAST TENNESSEE	SUN	2100L WA4NZT	146.76
73	SOUTHERN ONTARIO	SUN	0900L VARIES	3773	183	PIONEER	SUN	1030L W1MM	3923
73	SOUTHERN ONTARIO	SUN	1300L VE3MO	7088	184	BAY AREA	SUN	1830L VARIES	146.64
75	CENTRAL CALIF COAST	SAT	0800L W6RBB	3917	186	MESILLA VALLEY	THUR	1900L AB5OU	146.84
76	BLUE RIDGE	SAT	1300L K4HXZ	3855	188	LOST RIVER	1ST W	1930L K7RFO	146.85
77	NORTHERN NEW JERSEY	SUN	1300L W20JW	3917	191	MONTEREY BAY	TUES	1930L AA6T	146.70
77	NORTHERN NEW JERSEY	THU	2000L W2IET	147.285	194	HAWAII	1ST S	1500L VARIES	7088
79	SUNFLOWER	WED	2100L VARIES	146.82	196	EDISON	EVERY	0730L VARIES	147.345
81	LONG ISLAND	FRI	2030L K2YAW	146.745	196	EDISON	EVERY	1000L VARIES	146.88

# 1998 NATIONAL CONVENTION

October 9 - 11, 1998

Hosted by the

**LEO I. MEYERSON GREATER PALM SPRINGS AREA CHAPTER #154**

at the

## **EMBASSY SUITES HOTEL**

**74-700 HIGHWAY 111, PALM DESERT, CA 760 340 6600**

***Please make your reservation direct with the Embassy Suite Hotel  
on their toll free line at 800-786-3329.***

***Let the hotel know you are with the QCWA Convention***

Chapter 154 President: Bob Rose, K6KRZ, 760 360 0698

Convention Chairman: Don Doughty, W6EEN, 760 345 8780

**Convention Hotel** This hotel is ideal for our Convention, located as it is on the City line between Indian Wells and Palm Desert. We have a special room rate of \$109.00 per night and this includes a 5 to 7pm open bar Cocktail Party each evening and an off the menu Breakfast each morning. The cutoff date for reservations is September 8, 1998. Plan to travel on Thursday and go home Sunday or Monday. If you fly in, rent a car. Most of the car rental agencies have competitive weekend packages.

**Program** A detailed program will be furnished with the registration package, but in general the program is as follows: An informal group breakfast will take place on Friday, Saturday and Sunday mornings and a 5 to 7pm Cocktail party will take place each evening. There will be a Ladies Luncheon and Fashion Show Saturday noon (men may attend, I will) and a Saturday Evening Banquet. Dave Bell, W6AQ, noted Film and TV Producer, will be the banquet speaker and those who have heard him before will come to the Convention just to hear him! We will have Seminars on Friday and Saturday Mornings, including Lew McCoy, W1ICP, speaking on Truth in Antenna Advertising, and Don Johnson, W6AAQ, speaking on Real Mobile Antennas, a QCWA Forum and others. The afternoons are mostly open for sightseeing trips and shopping on El Paseo.

**Friday evening** is open and we encourage you to try one of the 400 or so local restaurants. My favorite is Mario's on El Paseo where they sing Opera and Show tunes while you dine, and Bob's favorite is Basin Street West, where dinner is followed by an Old Timer's type show. We are taking a \$20 deposit per person to hold reservations for either of these two restaurants and which will be returned to you at the restaurant And, there are many other fine restaurants nearby, including Jillian's, Club 74, Ruth's Chris Steak House, Vallentino's, Le Paon, Le St. Germaine, and others.

**Afternoon Day Trips** There are many interesting things to do and see here in the Coachella Valley. Great shopping is available on nearby El Paseo (the Rodeo Drive of the Valley) and also at the Palm Desert Towne Center Mall; the recently opened Palm Springs Air Museum has a great collection of "old birds"; the Palm Springs Aerial Tram provides spectacular views of the valley from the top of Mt. San Jacinto; the Living Desert offers views of desert animals and plants in a unique setting; Jeep Tours to the Indian Canyons and old Oasis areas are available; There are three Las Vegas style Indian gaming casinos in the heart of the Coachella Valley; you may take a Hot Air Balloon Ride over the valley; and many more are available! We will have a Trip and Travel Desk in the registration area where you can obtain brochures, coordinate transportation, and so forth as needed. If you will check your interest on the reply form below we will send you brochures with your Convention Confirmation

October is the best time of the year here in the California Low Desert as the temperatures are in the 70's and 80's and the "winter visitors", i.e. snow birds, have not yet returned in great numbers. Summer rates and prices are still largely in effect and we have the place mostly to ourselves. Plan to come early and stay late!

Chapter 154 will **NOT** hold the Annual Spring Luncheon in either 1998 and 1999.  
Come to the NATIONAL CONVENTION, October 9-11, 1998!

NAME \_\_\_\_\_ Call e-mail \_\_\_\_\_  
Spouse/Guest \_\_\_\_\_ Call QCWA # \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone \_\_\_\_\_

Interest in the following: (for planning purposes-check those of interest) Shopping on El

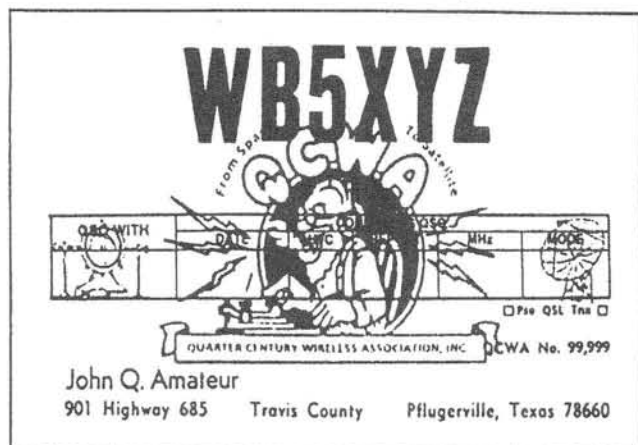
- ☐ Paseo Air Museum, ☐ Palm Springs TRAM, ☐ Visit to Living Desert,  
☐ Jeep Tours, ☐ Hot Air Balloon Ride

Registration	Number	cost per person	Amount
Amateur Registrant	—	\$15.00	—
<i>There is no charge for non-ham spouse or guest</i>			
Deposit for Mario's reservation	—	20.00	—
Deposit for Basin Street West res.	—	20.00	—
Saturday Evening Banquet			
Prime Rib Au Jus	—	30.00	—
Chicken Piccata	—	26.00	—
Saturday Luncheon/Fashion Show	—	22.00	—
		<b>TOTAL</b>	—

**PLEASE MAKE CHECKS OUT TO QCWA CHAPTER #154.** Thank you.  
Mail to: Norm Friedman, W6ORD, 96 Palamino Cir., Palm Desert, CA,, 92211-3212



## Order Your Official QCWA QSL Cards Today...



QCWA QSL cards are USA standard size, printed on a heavy stock which is "coated" (shiny) on the logo side. Ink is a bright blue with light gray QCWA logo, and you may have your call in either solid letters (above) or shadowed (right). **WB5XYZ** Be certain to specify the letter style when you order.

If you want your county printed, please indicate so on the order blank. Also, tell us whether you want your state spelled out in full or printed with the standard postal abbreviation. Prices listed below include shipping. **Please print very clearly or type your order.**

### Order Your QSLs Here

Complete in full and mail with your check to:

Call \_\_\_\_\_ ☐ Solid ☐ Shadowed  
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 County (optional) \_\_\_\_\_  
 City \_\_\_\_\_  
 State \_\_\_\_\_ ☐ Spell out ☐ Abbreviate  
 Zip \_\_\_\_\_ ☐ ARRL  
 Province/Country (if non-USA) \_\_\_\_\_  
☐ 10 - 10 # \_\_\_\_\_ ☐ Grid Sq. \_\_\_\_\_  
 Quantity: ☐ 100 \$25.00 ☐ 200 \$35.00  
               ☐ 300 \$45.00 ☐ 500 \$60.00  
               ☐ 1000 \$80.00

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**CyberSKIP Digest - 672 Indian River Dr.  
 Melbourne, FL 32935**

## Member Classified

**WANTED:** Early Wireless, spark, crystal sets, pre 1925 battery radios or other information for my collection. One Piece or Collection. Michael Bald, WD5GLW, 7637 South Quebec Place, Tulsa, Oklahoma 74136, (918-492-7361) e-mail RadioMB@aol.com

**STATION ID:** Beautifully designed, individualized, framed call letter identification for your station. For details contact WILHY; PO Box 147, Marion, MA 02738: 508 748 0468: Email: enja@capecod.net Please contact me by Email with confirmation and/or questions. Thanks very much. N. J. Cartmill, WILHY

**WANTED:** Schematic for old Bud Co. Codemaster Model CPO128A osc/cw monitor. Don Christensen W8WOJ 2004 Ivy Lane Midland, Mi. 517-835-1307 dfcsenior@juno.com.

**Wanted:** EBY model PCK 40/80 transmitter any condition. This transmitter was sold in late 50's/early 60's consisting of 6C4 and 5763 on circuit board. Dean Sever, W8IM, 1701 Harcourt Drive, Leesburg, FL 34748 or email W8IM@aol.com.

**WANTED:** Heathkit Items. Unassembled Kits, Catalogs, Literature. Bill Robbins, 5339 Chickadee Drive, Kalamazoo, MI 49009-4506. 616/375-7978. billrobb@net-link.net Heathkit Collector WA8CDU Formally WN8CDU

**FOR SALE:** Kenwood TS 940S with antenna tuner. Includes YK-88-C1 and YG-455-C1 500 Hz filters. Excellent/Mint condition with manual and original box. \$1075 and buyer pays shipping. Nate Williams, W9GXR, 6915 Prairie Drive, Middleton, Wisconsin 53562.

**Wanted:** TMC GPR-90 or 92 Receiver, GPT-750 Transmitter. Top price paid. Alan Gray, W3BV, 1361 Sylvan Road, Perkasi, PA 18944 (215) 795-0943, agray@voicenet.com

**Wanted:** Collins 51S1, KWM-380, 75S3B/C, RME-9, National HRO-500, NC400, Hallicrafters SX-28, SX-88, SX-73, Hammurand Pro-310, National SW-2/3/4/5, HRO: Johnson Kilowatt, 500; Globe King. Steve K6PFW, 848 N. Silverwood, Upland, CA 91786 (909) 985-1062. e-mail: wsbarnes@eee.org

**WANTED:** Your no longer used Vibroplex Zephyr or Presentation bug. Collins 4A transmitter. Collins Signal magazines. 1960 KN9VKY QSL. Brian Roberts K9VKY, 130 Tara Dr., Fombell, PA 16123. (724) 758-2688.

**FOR SALE:** ARRL Handbooks, 1952 to 1976. Precision E-400 Sweep Signal Generator - \$40.00. Heathkit O-5 Oscilloscope (5") - \$45.00. Above plus UPS. Onerio L. Sabetto W8PIU, 1717 Burgess Road, Cleveland, OH 44112 (216) 481-1036.

**FOR SALE:** 3 bedroom 3 bath home. DXers delight plus boating & fishing. Enclosed pool room, F O Tower TH3 Beam. Call for Details. Frank Lester W4AMJ, Englewood FL (941) 474-5697.

**Wanted:** Sharp Color/Monochrome adaptor Part #CE-451A. This is for a Sharp MZ 100 PC. Bob Williams W7IPB. Lakeside, Montana 59922. Box 475.

**Wanted:** Collins 51S-1, Mosley CM-1, GE X-371, Hallicrafters CR-3000, State condition and price. Herman Schnur 3205 Brick Kiln Rd., Greenville, NC 27858. (252) 752-2264.

**FOR SALE:** XANTREX Lab. power supply 0-600VDC @ 1.7 amps. Simpson DVM Model 2866 0-20VDC. Simpson Shunt 30 AMP. 50 MV Panel mount. All the above NEW in original packing. Write Bill Hawes W9ERG 5145 Grove Street, Skokie, IL 60077-1542. (847) 966-4741. e-mail: bhawes@ripco.com

**SCOPE WANTED:** Dual trace, 40 MHz+, Delay time multp. Good condition inside and out. In exchange, you give me \$225 and I will give you a Collins 30L-1 in great condition. Terry Perrault WA6MVV, P.O. Box 178, Retsil, WA 98378.

**FOR SALE/TRADE:** Manuals for National, Hammarlund, Hallicrafters, Gonset, Johnson Viking, Harvey Wells, RME, Eico, Elmac, Lafayette, Allied/Knight, WRL/Globe, etc. SASE. NI4Q, P.O. Box 690098, Orlando, FL 32869-0098. (407) 351-5536. e-mail: ni4q@juno.com

**Wanted:** Dead or alive: Ameco AC1T. Tom/WIHE, POB 684, Cheshire, Maine 01225.

Please send classified ads to QCWA Journal, 672 Indian River Dr., Melbourne, FL 32935 to arrive no later than 1 month prior to publication date. Ads may also be faxed to 800-421-3279 or e-mailed to gwentz@digital.net

Kindly limit ads to 25 words. Words are counted as follows: WANTED, FOR SALE, FREE, etc count as 1 word; your address counts as 6 words.

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541-683-0987

Fax - 541-683-4181



This form for use by all U.S. applicants  
for membership in QCWA.  
Effective 4/1/96

For Office Use Only

Membership No. \_\_\_\_\_

Date \_\_\_\_\_

First Licensed, Year \_\_\_\_\_

Deposit Record \_\_\_\_\_

**Have you been previously enrolled in QCWA?** \_\_\_\_\_

I, \_\_\_\_\_, \_\_\_\_\_  
(Please Print Name Clearly) Present Callsign \_\_\_\_\_

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

Street Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued \_\_\_\_\_ Other calls held \_\_\_\_\_

I wish to become affiliated with QCWA Chapter \_\_\_\_\_

Date of birth \_\_\_\_\_ Birthplace \_\_\_\_\_

Present occupation/business \_\_\_\_\_

If retired, what was major life work? \_\_\_\_\_

Other organizations you belong to \_\_\_\_\_

Your signature \_\_\_\_\_

## SCHEDULE OF MEMBERSHIP FEES

### Select one of the following plans

	Members	Family	
QCWA dues for a one-year period	\$20		_____
QCWA dues for a two-year period	\$35		_____
QCWA dues for a three-year period	\$50	\$12	_____
QCWA life membership	\$300	\$90	_____
Payable in 3 equal installments of \$105 each, in a one-year period	\$315	\$105	_____
		(3 payments of \$35)	_____

### **Initial registration fee, all new members - \$3**

Gold membership pins are available, your call engraved, no year tags. Check type of fastener.

Tie tack \_\_\_\_\_, Screw button \_\_\_\_\_, Safety pin \_\_\_\_\_, ----- \$10 each \_\_\_\_\_

Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - \$15 each \_\_\_\_\_

**Total** \_\_\_\_\_

**Proposed by** \_\_\_\_\_, **Callsign** \_\_\_\_\_, **No.** \_\_\_\_\_



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# Member Supplies

## Certificates

**Membership Certificates** are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

**QCWA Gold Certificates** celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

**Gold Certificates** are issued in five year increments; 55, 60, 65, 70 and 75 year certificates free of charge to eligible members.

**Fifty Year Continuous Licensing Gold Certificate** available to eligible members. Requires submission of proof of continuous licensing. There is a \$5 fee for this certificate. Applications are available from QCWA Headquarters.

**QCWA Century Club Certificate** is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

**Meritorious Award Certificate** is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

## Operating Awards

**QCWA Operating Award Certificates** are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

**QCWA Worked 50 States Awards** are issued to QCWA members who have contacted members in each state of the union.

**QCWA Worked 100 Members Awards** are issued to QCWA members who have contacted at least 100 QCWA members.

**QCWA Worked 60 Chapters Awards** are issued to QCWA members who have contacted members of 60 chapters.

**QCWA Worked 500 Members Awards** are issued to QCWA members who have contacted 500 QCWA members.

## QCWA Lapel Pins

Without year tags, tie-tack, safety pin or screw type. Plain pins (no year) - \$10

With year tags (clutch-type only). Specify year; 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 - \$15

QCWA Life Member pin - \$5

## Other Member Supplies

QCWA Embroidered emblem - \$5

450 QCWA Red Stamps (regular) - \$3

450 QCWA Gold Stamps (life) - \$3

400 QCWA Yellow Stamps (50 Year) - \$3

QCWA Cap with logo - \$5

QCWA Chapter Banner - \$200

QCWA Decals - \$1

QCWA QSL cards - (see ad elsewhere)

Please send your order to QCWA Headquarters, 159 E. 16th Ave., Eugene, OR 97401-4017.

Phone (inquiries only, no orders): 541-683-0987, Fax 541-683-4181

We do not accept orders charged to credit cards.



# Leading the way in HF technology.

## FT-1000MP

### Revolutionary All-Mode HF Transceiver with EDSP™

- Enhanced Digital Signal Processing (EDSP™) Noise Reducer, RX/TX waveform Contour shaping control, Digital Notch plus IF Notch, Digital CW Narrow Filters, Microphone Equalization • Shuttle Jog™ Tuning Enhancement • Directional Tuning Scale for CW/Digital Modes and Clarifier Offset Display • Selectable Antenna Jacks • Programmable Tuning Steps • 100W PO • Dual In-band Receive with Separate S-meters • Built-in Collins® SSB Mechanical Filter • CW Electronic Keyer with two Key jacks • CW Spot • Automatic Antenna Tuner • 100-117, 200-234V AC and 13.5V DC power inputs • DC version available • 99 Memories.

## FT-1000/D

### Elite-Class All-Mode HF Transceiver

- 200W PO • Dual Receive • 108 dB dynamic range • Cascaded IF Filters • Direct Digital Synthesis (DDS) • IF Width/Shift/Notch • CW Spot • CW Audio Peaking Filter • CW Electronic Keyer with two Key jacks • IF Noise Blanker • Automatic Antenna Tuner • RF Speech Processor • Front panel RX Antenna selector switch • Two large fly-wheel-weighted tuning knobs • 99 Memories.

## FT-990

### High Performance All-Mode HF Transceiver

- Outstanding Cost-Performance • Dual VFOs with Direct Digital Synthesis (DDS) • Band Stacking VFO System • Dual SCAF Filter • Automatic Antenna Tuner • Front Panel RX Antenna Selection • RF Frequency-Shifted Speech Processor • CW Spot/Pitch Control/Electronic Keyer • IF Noise Blanker • IF Shift/Notch • DC Version Available • 90 Memories.

## FT-900C/AT

### Deluxe Compact HF Transceiver

- Detachable Front Panel Design • 100W PO • Built-in Collins® SSB Mechanical Filter • Automatic Antenna Tuner • IF Shift/Notch • Keypad Frequency Entry • Duct Flow Cooling System • Digital Metering • Adjustable CTCSS Tones • 100 Memories.

## FT-840

### High Performance Compact HF Transceiver

- High Receiver Dynamic Range • Dual Band Stacking VFOs with Direct Digital Synthesis (DDS) • 100W PO • IF Shift • IF Noise Blanker • Digital Mode Interface • CW-Reverse feature • Adjustable Repeater CTCSS Tones • Optional (External) Automatic Antenna Tuner • 100 Memories.

## FT-600

### Multi-Purpose HF SSB Transceiver

Frequency Range: RX: 50 kHz - 30 MHz; TX: 160-10M • 100W PO • MIL-STD 810 Rating • Alphanumeric Omni-Glow™ LCD Display • Keypad Frequency Entry • Optional CW (500 Hz) and AM (6 kHz) filters available • Dual Watch • Front-mounted Speaker with High Audio Output • PC Programmable • 100 Memories (in 4 banks of 25).

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